

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

JUN 14 2004

1001

June 9, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-010-13, T30S, R25E, Section 1, has been received and reviewed. Your permit number is EH-2229.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump & Irrigation Company
File EH-2229

(water\hardy\eh2229-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-222

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 6-3-9 PROPOSED START DATE 6-20-9

OWNER: Water Bank Authority Phone: 661-349-8735

Mailing Address: Box 80607 City Bakersfield Zip: 93380-0607

DRILLING CONTRACTOR: A.P.I. Contractor's License 602148 Phone: 661-559-6901

Address: Box 1177 City: Shafter Zip: 93203

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 305 R 25E Sec. 1 40 Acre Sub _____

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-010-13-008

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: From Stockton Hwy go south on End's Lane to Munger Gate. Go E. on Munger through gate. Go north on East side of levee just past gate. Location 1/2 north of gate 90' east of levee rd.

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:
Type Steel
Diameter 20"
Gauge/Wall 3/8
Conductor Depth 110

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 100' To 150' Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150'
Hardrock _____

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 1100 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 100' To 200' Feet
From _____ To _____ Feet

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.01 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent _____ or Agency Mike Griffith Date 6-4-04

<p><i>Internal use only</i> Permit Approved: <u>[Signature]</u> Date: <u>6-3-04</u> Expiration Date: _____</p>	<p>Total Fee: _____ Date Paid: _____ Receipt # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Check (# _____) Fee received by: _____</p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>[Signature]</u> Date: <u>6/7/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED.

Stock Dike

KWBA
Prop. 13
Well Locations

N
1" = 1,000'
Kendall Engineering

6P1

524-020-07

524-020-11

7C1

524-030-02

2600'

524-030-01

7L1

524-030-05

1600'

730'S RICE

524-030-04

7Q1

524-030-06

7R1

524-030-10

8M1

524-030-11

160-010-14

160-010-12

1Q1

160-010-13

160-060-20

160-060-06

160-060-18

160-060-19

160-060-15

160-060-21

160-060-04

160-060-07

160-070-20

13B1

524-070-01

18B1

118 m

FRCS 64

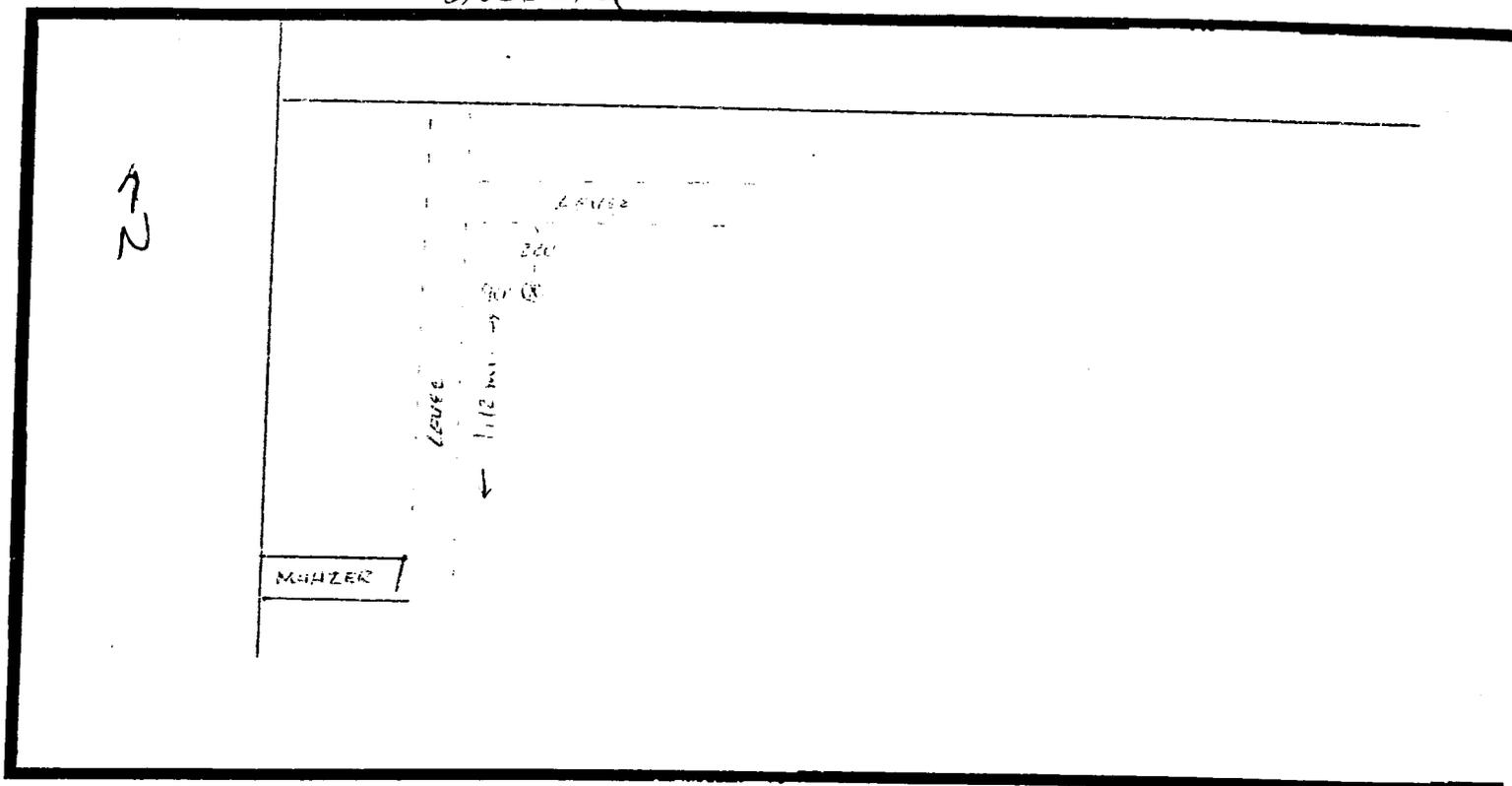
Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

Parcel/Map/Tract _____
Parcel No. _____
Assessor's Parcel No. _____

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.

STRUCTURE



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: |

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@ca.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

August 14, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct two agricultural wells located on APN 160-020-04, T30S, R25E, Section 3-R (Permit EH-922) and Section 3-~~Q~~**2** (Permit EH-923), have been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-922 and EH-923

(water\hardy\eh922-23b-p)

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Herb Jimenez or Agency _____ Date 7/23/01

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>7-26-01</u></p> <p>Receipt # <u>20303</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>36916</u>)</p> <p>Fee received by: <u>M. J. Jentzen</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>Christine Y. Grider</u></p> <p>Date: <u>7-23-01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"></p>

REASONS FOR DENIAL OR CONDITTONS OF PERMIT:

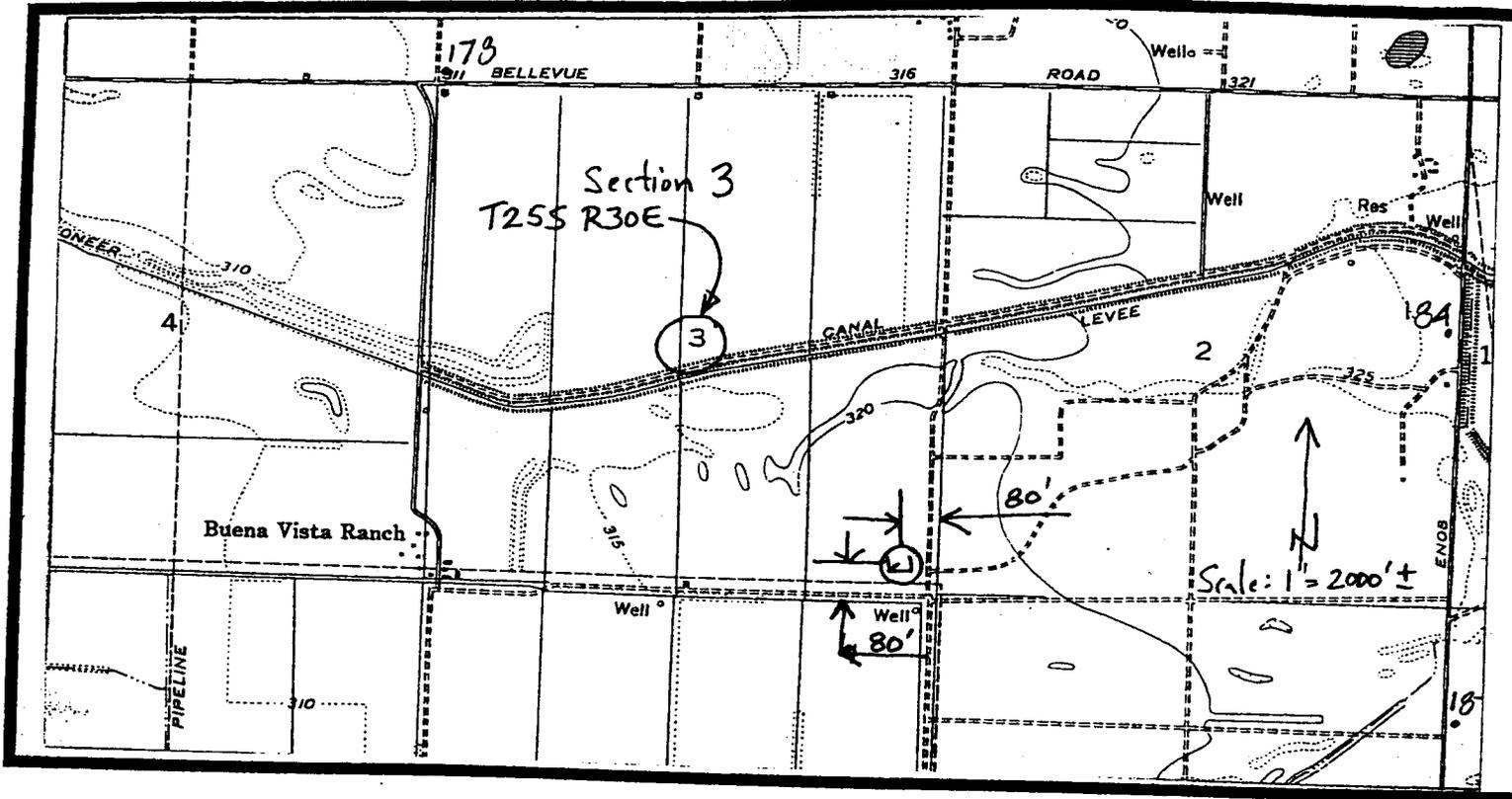
THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Department
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (661) 862-8700
 FAX (661) 862-8701

Parcel/Map/Tract _____
 Parcel No. _____
 Assessor's Parcel No. 160-020-04

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 3

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

387
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
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DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

August 14, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct two agricultural wells located on APN 160-020-04, T30S, R25E, Section 3-R (Permit EH-922) and Section 3-Q2 (Permit EH-923), have been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-922 and EH-923

(water\hardy\eh922-23b-p)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-923

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 7/23/01 PROPOSED START DATE 8/25/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 3 40 Acre Sub Q2
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-020-04
SITE ADDRESS if available: N/A TOTAL ACRES: 238.04
DIRECTIONS to Well Site: Take Enos Lane about 1 mile south of Stockdale Hwy. Go about 1/2 mile west.

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

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Owner's Signature _____ Date _____ Authorized Agent Hub Jimenez or Agency _____ Date 7/23/01

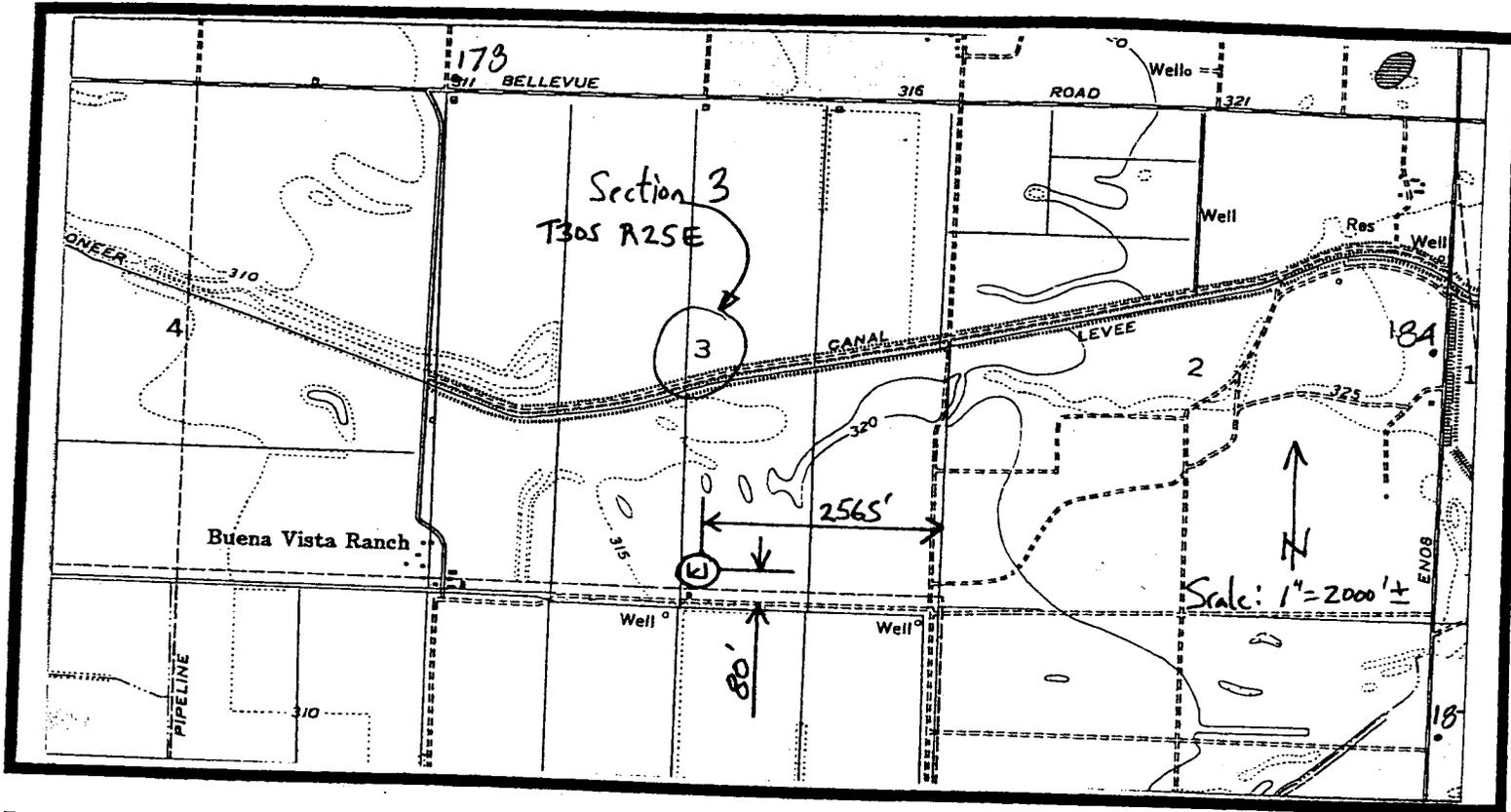
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>7-26-01</u> Receipt # <u>20303</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>36496</u>) Fee received by: <u>Kl. Jensen</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>Christine J. Grider</u> Date: <u>7-23-01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 3

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

121-4-7

604-1

4601

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

K&D Drilling
604-1
6201 Wible Rd sp4 09

C57288763
LICENSE NUMBER STATE

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN

AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

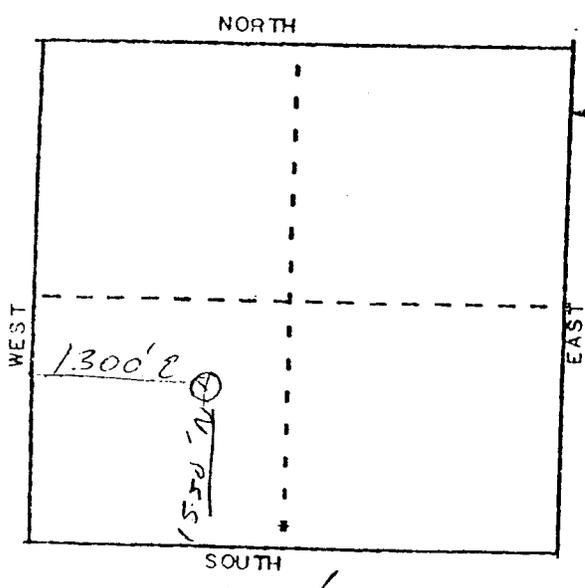
ON PROPERTY OWNED BY Tenneco West, Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

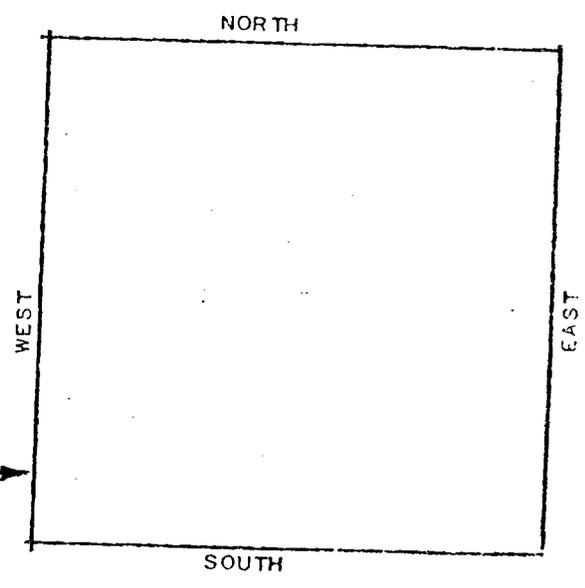
1550' N and 1300' E of S.W. Cor
Sec 4 T30 R25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: [Signature]
(SIGNATURE)

AS AGENT FOR K&D Drilling
(COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED

APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY [Signature]
KERN COUNTY PLANNING COMMISSION
DATE: 9/9/76

HEALTH DEPT. - REMARKS:

BY: _____
DATE: _____
PERMIT NO. _____

605-1

DRILLING COMPANY
NAME AND ADDRESS

K&D Drilling
6201 Wible Rd 09

329219
LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN

AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

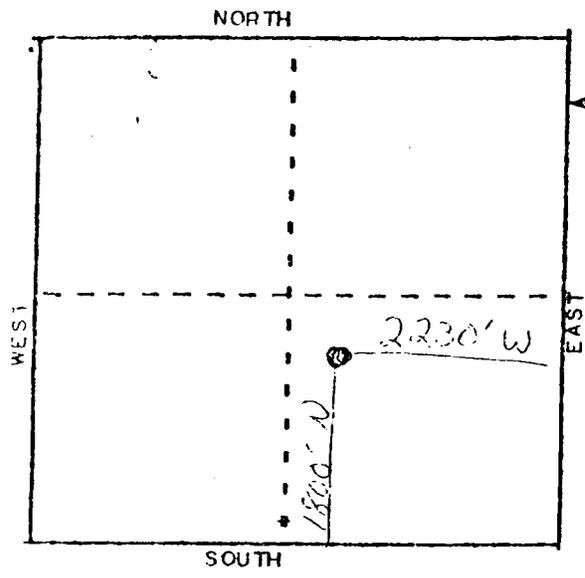
ON PROPERTY OWNED BY TENNECO WEST INC

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

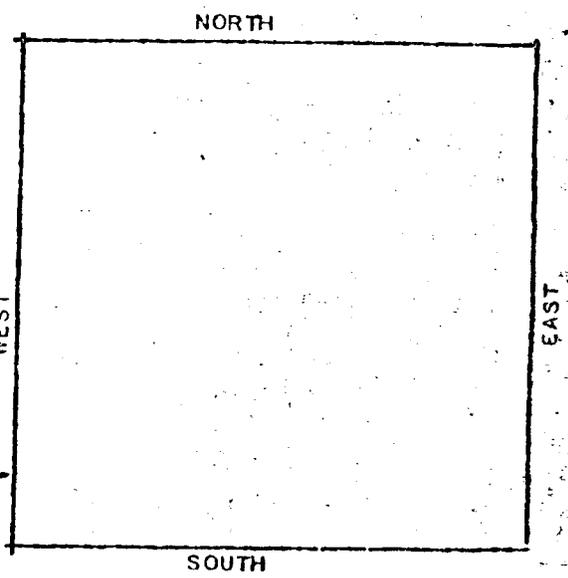
1800' N and 2230' W of SE Cor
Sec 5 T30 R25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: [Signature] AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS: 160030-4 324.68 ac.

BY [Signature] A
KERN COUNTY PLANNING COMMISSION
DATE: 7/24/77

HEALTH DEPT. - REMARKS:

BY: _____

DATE: _____

PERMIT NO. _____

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY NAME AND ADDRESS
606-1 K&D Drilling
6201 Wible Rd 09

329219
LICENSE NUMBER

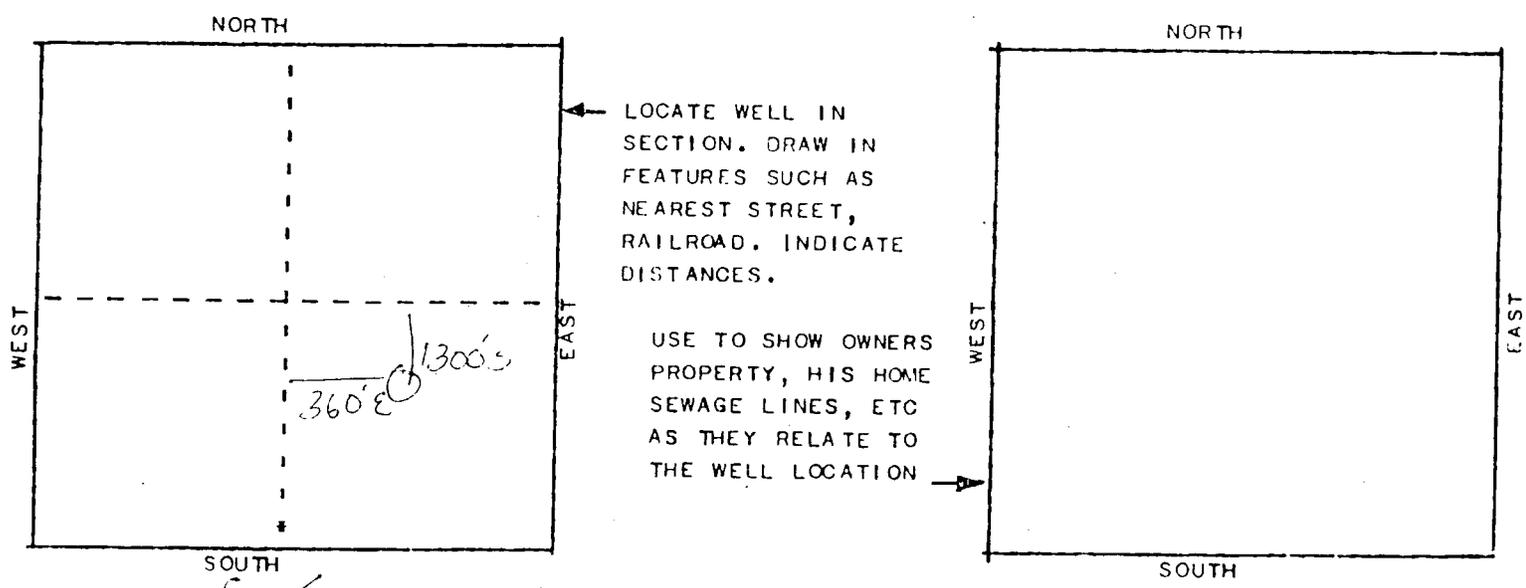
PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY Tenneco West Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1300'S and 360' E of CTK
Sec 6 T30 R25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Kristen Smith AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____
BY: [Signature] "A"
KERN COUNTY PLANNING COMMISSION
DATE: 4-13-77

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

DRILLING COMPANY
NAME AND ADDRESS

607-3

K&D Drilling
6201 Wible Rd 09

329219
LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL Y, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

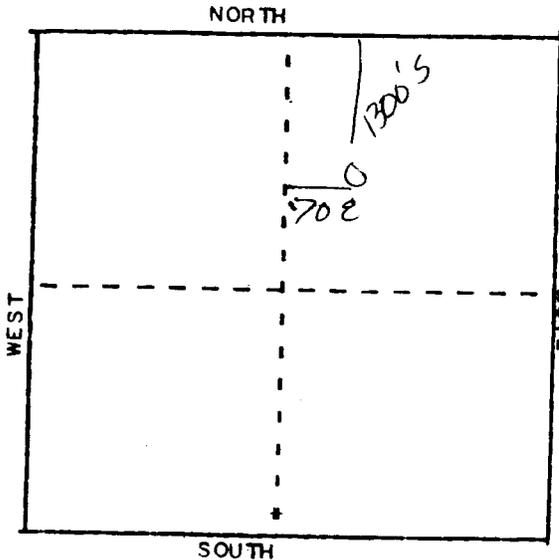
ON PROPERTY OWNED BY TENWECO West Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

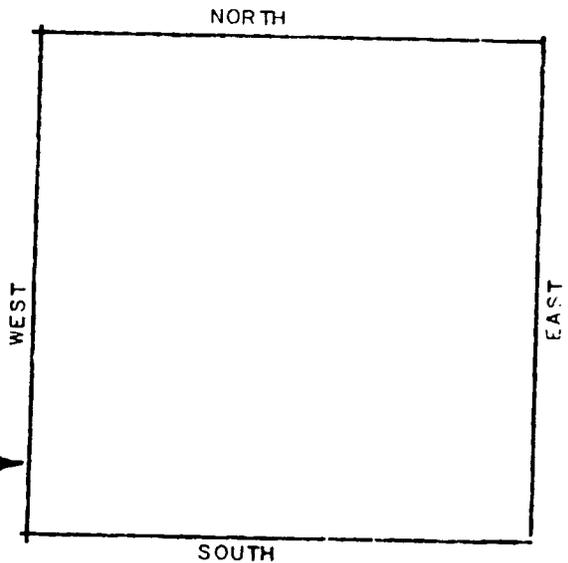
1300'S and 70'E of N4 Co
Sec 7 T30/R25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: Asst. Dir. Lusk AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY: Phillip S Powell A
KERN COUNTY PLANNING COMMISSION
DATE: 4-13-77

HEALTH DEPT. - REMARKS:

BY: _____

DATE: _____

PERMIT NO. _____

DRILLING COMPANY
NAME AND ADDRESS

K&D Drilling
6201 Wible Rd 09

329219
LICENSE NUMBER

PLANT TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

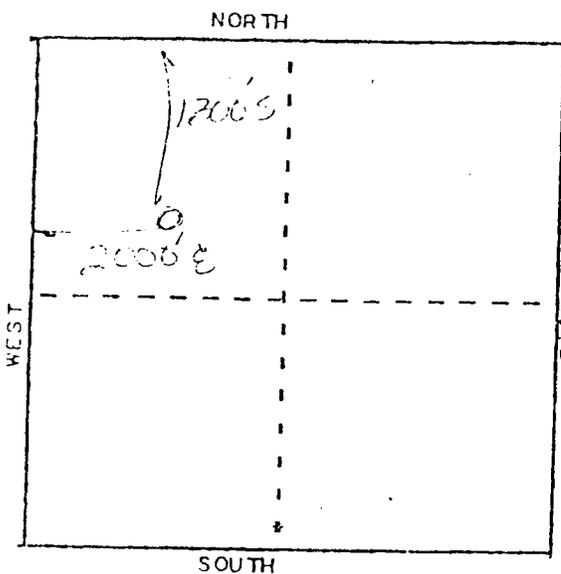
ON PROPERTY OWNED BY Tenneco West Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

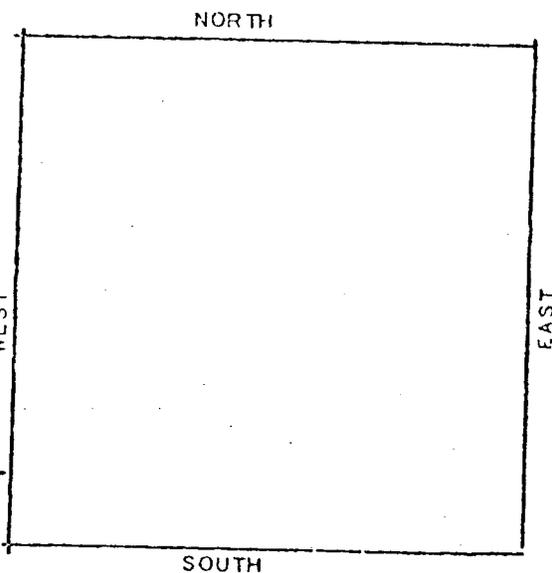
1306' S and 2000' E of NW Cor
Sec 8 T 36 R 25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



← LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION →



SUBMITTED BY: Robert D. [Signature] AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY: Philip P Powell A
KERN COUNTY PLANNING COMMISSION
DATE: 9-13-77

HEALTH DEPT. - REMARKS:

BY:

DATE:

PERMIT NO

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 12, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-050-04, T30S, R25E, Section 10-K, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Steve McCalley", written over a circular stamp.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump Irrigation, Drilling Consultant
File EH-560

Hardy\Water\KWBA-3-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-560

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/00 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License --- Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 10 40 Acre Sub K
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-050-04
SITE ADDRESS if available: N/A TOTAL ACRES: 6.40
DIRECTIONS to Well Site: Take Ends Lane 2 miles south of Stockdale Hwy.
Go west on field roads.

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hed Firm Date 10/4/00

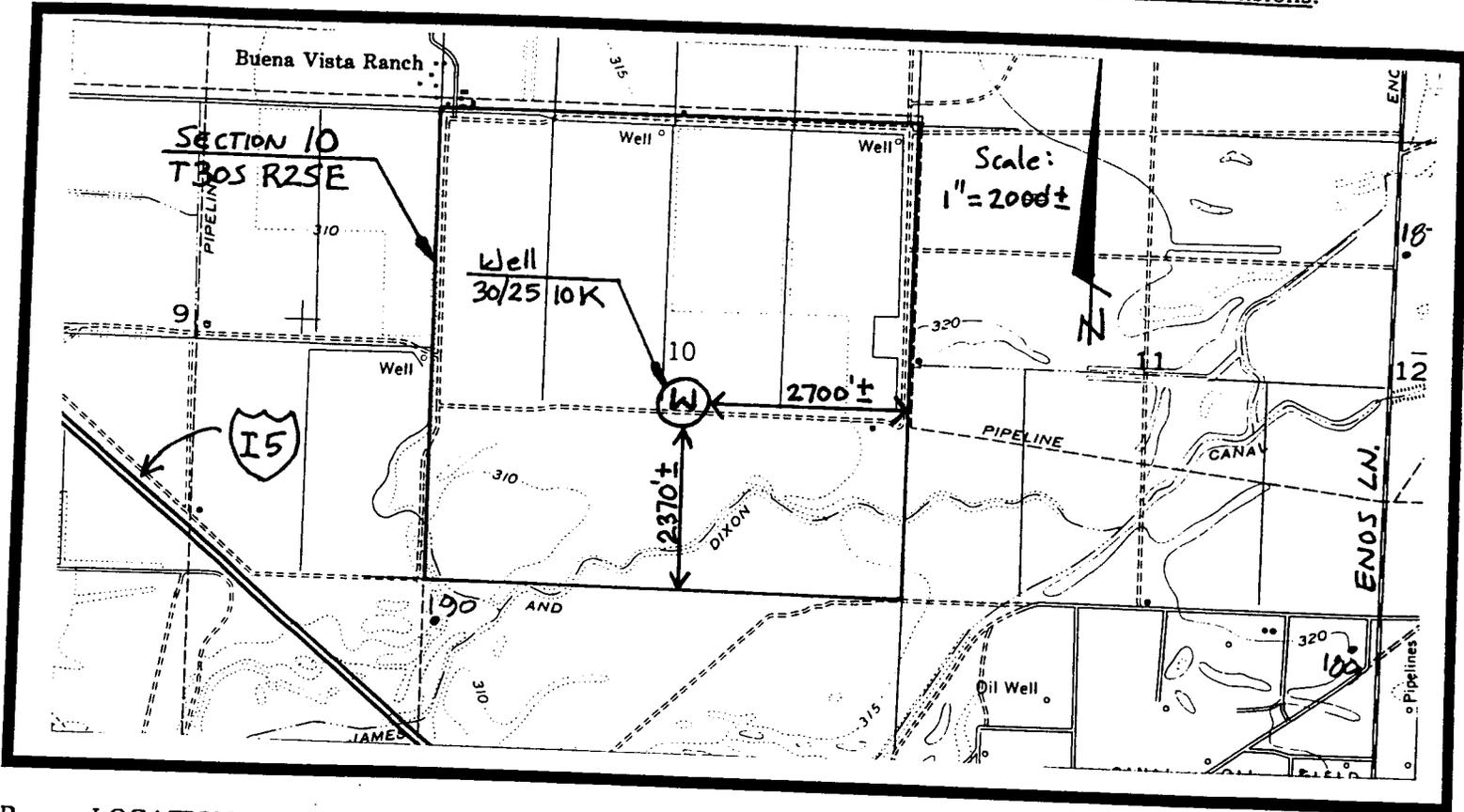
<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>275</u> Date Paid: <u>10/4/00</u></p> <p>Receipt # <u>9837</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>35472</u>)</p> <p>Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>10/4/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R2SE Section No.: 10

D	C	B	A
E	F	G	H
M	L	Well K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

11E01
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 12, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-060-01, T30S, R25E, Section 11-E, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump Irrigation, Drilling Consultant
File EH-568

Hardy\Water\KernWaterBA-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-568

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/00 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 11 40 Acre Sub E
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-060-01
SITE ADDRESS if available: N/A TOTAL ACRES: 436
DIRECTIONS to Well Site: Take Enos Lane 1-1/2 miles south of Stockdale Hwy.
Go west on field roads.

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Herb Simmons Date 10/4/00

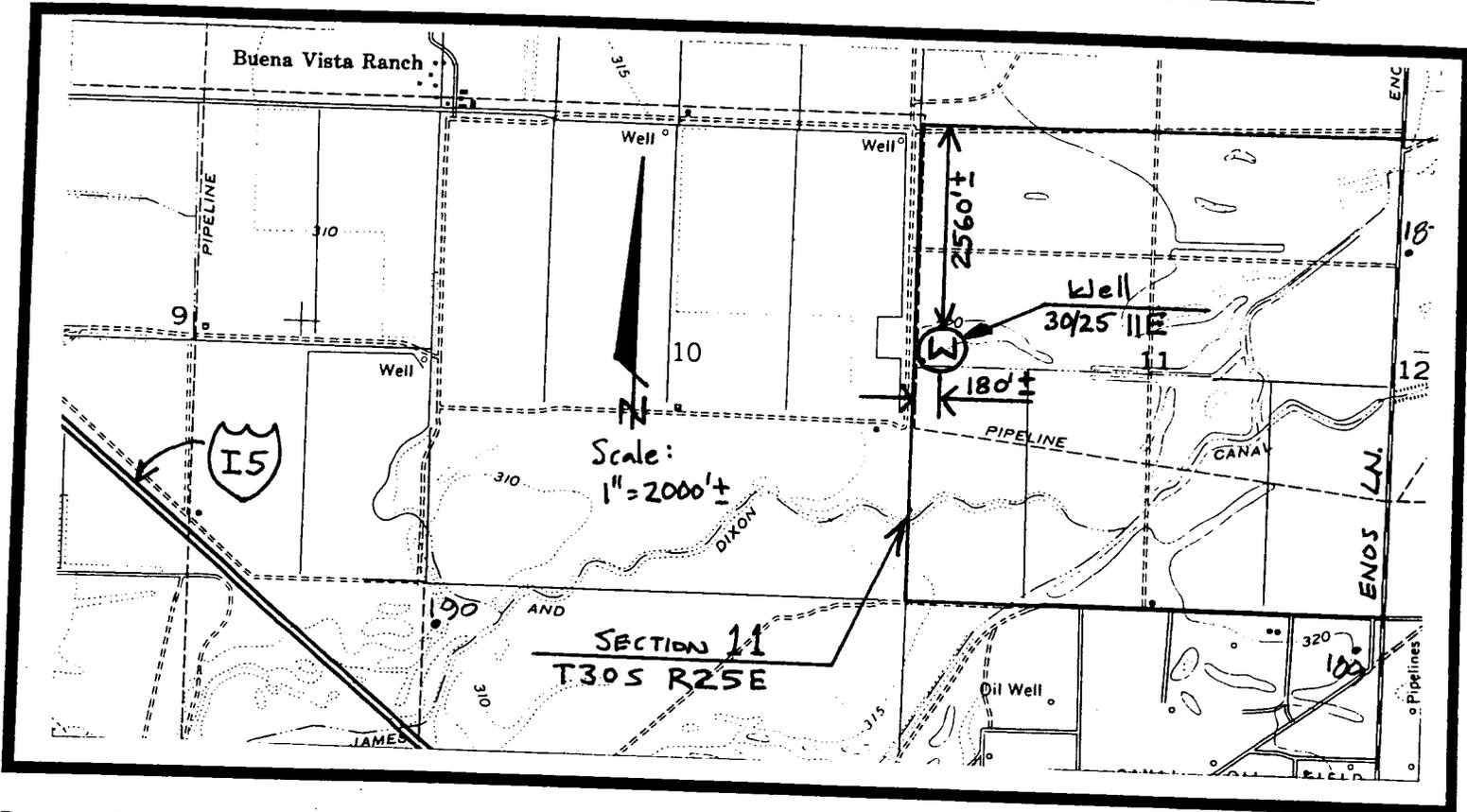
<p><i>Internal use only</i></p> Permit Approved: _____ Date: _____ Expiration Date: _____	Total Fee: <u>335</u> Date Paid: <u>10/4/00</u> Receipt # <u>9837</u> <input type="checkbox"/> Cash <input type="checkbox"/> Check (# <u>35412</u>) Fee received by: <u>M. SALINAS</u>
<p style="text-align: center;">ZONING</p> Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>F. Chiquel</u> Date: <u>10/4/00</u>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 11

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

11/20/01
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 12, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-060-02, T30S, R25E, Section 11-N, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump Irrigation, Drilling Consultant
File EH-569

Hardy\Water\KernWaterBankA-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-569

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/2000 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR- DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 11 40 Acre Sub N
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-060-02 158
SITE ADDRESS if available: N/A TOTAL ACRES: 134.85
DIRECTIONS to Well Site: Take Enos Lane 2 miles south of Stockdale Hwy.
Go west on field roads

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Net Jimena Date 10/4/00

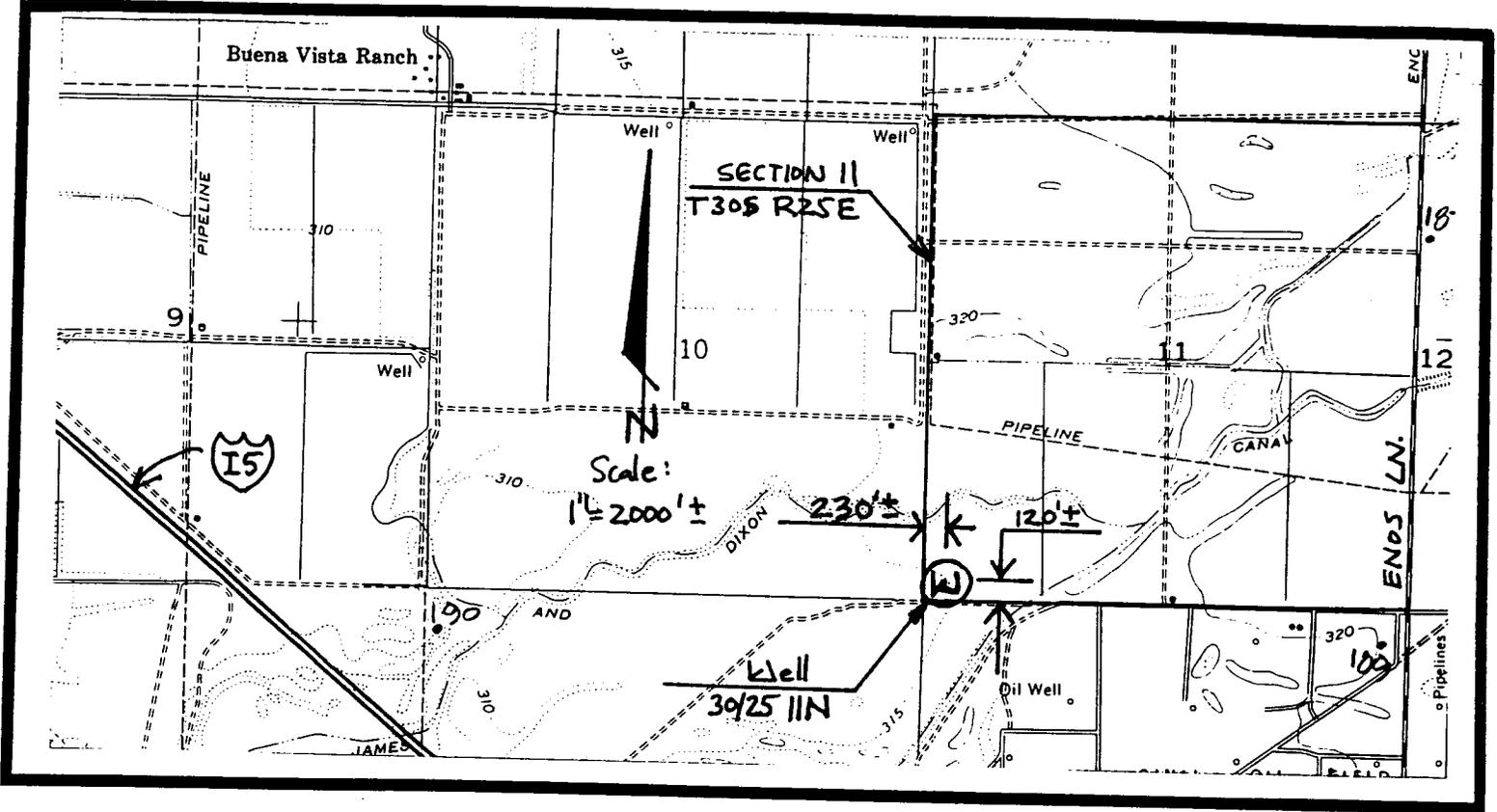
<p><i>Internal use only</i></p> Permit Approved: _____ Date: _____ Expiration Date: _____	Total Fee: <u>335</u> Date Paid: <u>10/4/00</u> Receipt # <u>9831</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>35472</u>) Fee received by: <u>CM. Salinas</u>
<p style="text-align: center;">ZONING</p> Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>[Signature]</u> Date: <u>10/4/00</u>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <div style="text-align: right;"><u>[Signature]</u></div>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R2SE Section No.: 11

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Well (indicated by a circle with a dot) is located in the bottom-left corner of the grid, corresponding to the 'N' section.

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

11001
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 12, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-060-03, T30S, R25E, Section 11-Q, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump Irrigation, Drilling Consultant
File EH-567

Hardy\Water\KWBA-2-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-567

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/2000 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 11 40 Acre Sub Q
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-060-03
SITE ADDRESS if available: N/A TOTAL ACRES: 39.12
DIRECTIONS to Well Site: Take Enos Lane 2 miles south of Stockdale Hwy.
Go west on field roads.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hert Simmons Date 10/4/00

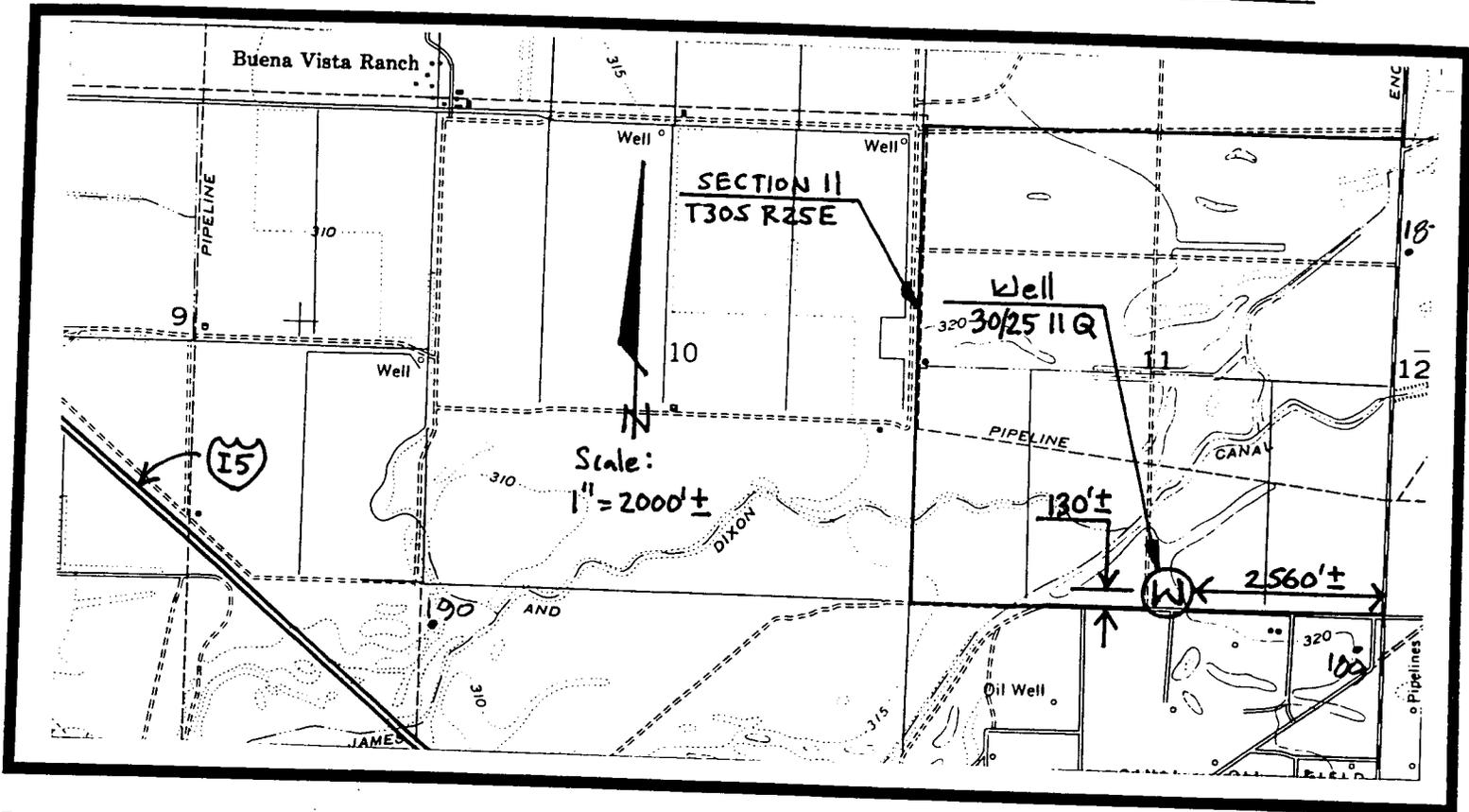
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>235</u> Date Paid: <u>10/4/00</u> Receipt # <u>9837</u> <input type="checkbox"/> Cash <input type="checkbox"/> Check (#<u>35478</u>) Fee received by: <u>M. Salung</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>[Signature]</u> Date: <u>10/4/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 11

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Well

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

SLATE WELL DRILLING
PO Box 187 STRATFORD CA 93266

C57288763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN

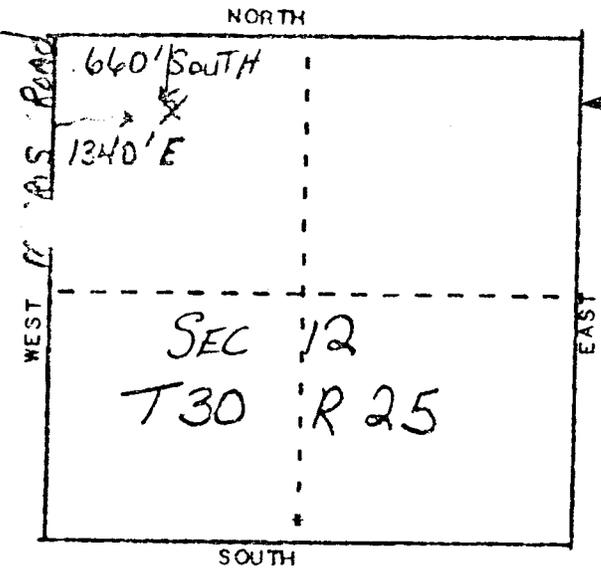
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY TEANEGD WEST INC

WHOSE MAILING ADDRESS IS PO Box 380, BAKERSFIELD, CA 93302

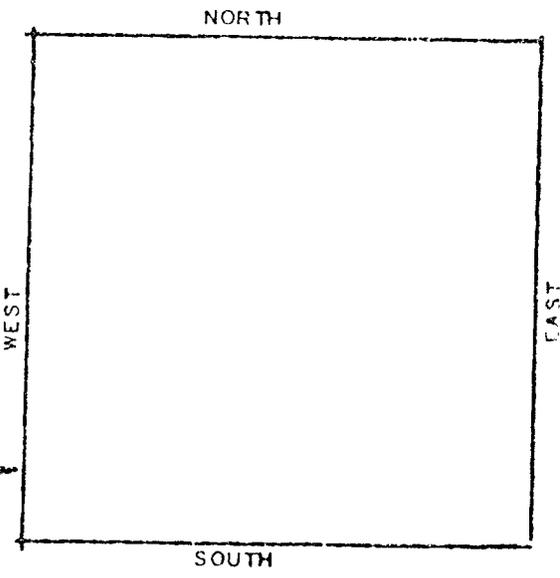
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS
660' S + 1340' E OF NW CORNER SEC 12 30/25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: Danny C Lynch AS AGENT FOR SLATE WELL DRILLING
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED

APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY [Signature] A
KERN COUNTY PLANNING COMMISSION
DATE: 6-24-74

HEALTH DEPT. - REMARKS:

BY:
DATE:
PERMIT NO.

DRILLING COMPANY
NAME AND ADDRESS

K&D Drilling
6D13-1 6201 Wible Rd 09

329219
LICENSE NUMBER

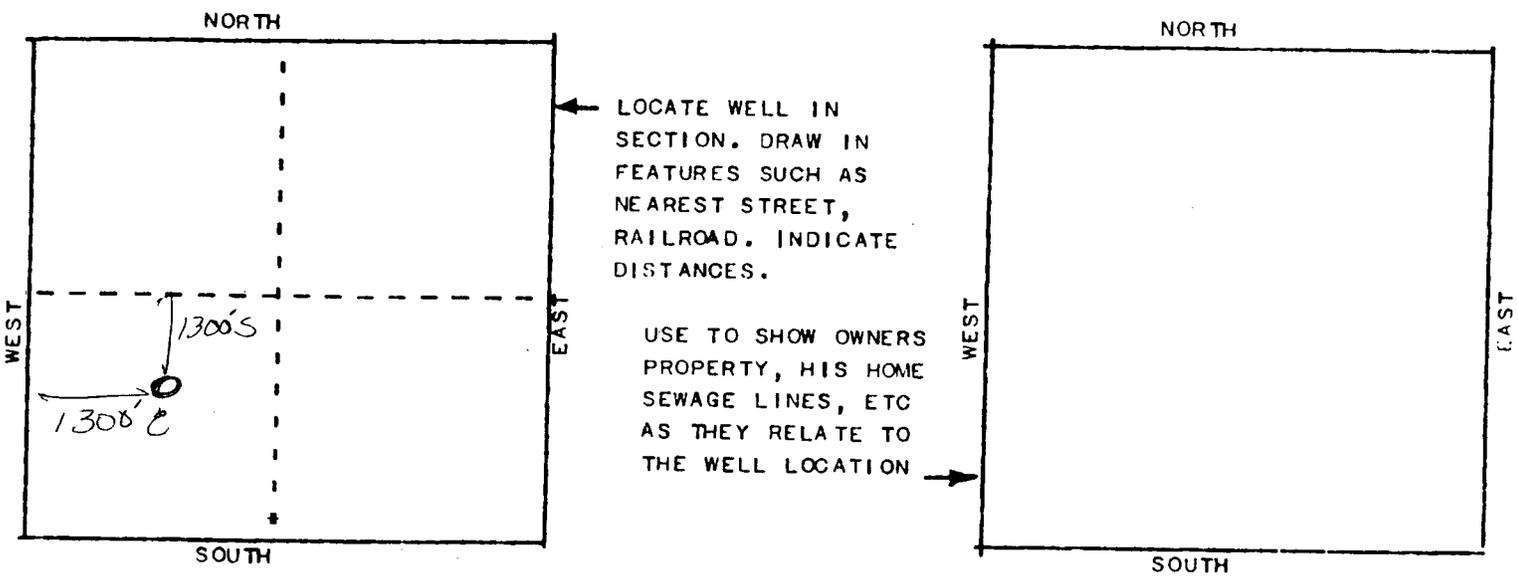
PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY Tenneco West Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1300'S and 1300' E of W 4 Cor
Sec 13 T 30/R 25

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Richard D Lynch AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY Phyllis D Powell A
KERN COUNTY PLANNING COMMISSION
DATE: 4-13-77

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 22, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

FEB 26 2001

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three (3) agricultural wells have been received and reviewed. The wells will be located as follows:

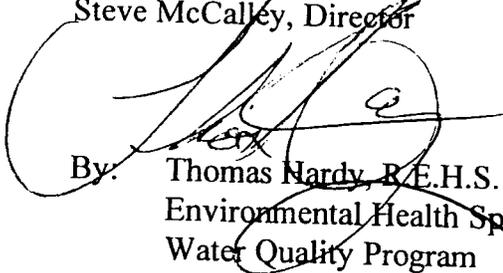
<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-758	160-070-22	30S/25E/13-F
EH-759	160-070-20	30S/25E/24-K
EH-760	160-070-20	30S/25E/13-J

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director


By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

cc: Farm Pump & Irrigation - Drilling Consultant
Files EH-758, 759 & 760

Hardy\Water\2001\KWBA-3-w23b

Kern County
Environmental Health Services Department
2700 "I" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-758

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR KWBA Contractor's License: _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607

~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 13 40 Acre Sub F
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-070-22
SITE ADDRESS if available: N/A TOTAL ACRES: 213.74
DIRECTIONS to Well Site: Take Enos Lane 2 1/2 miles south of Stockdale Hwy. Go 1/2 mile east

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
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6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hub Jimenez Date 2/22/01

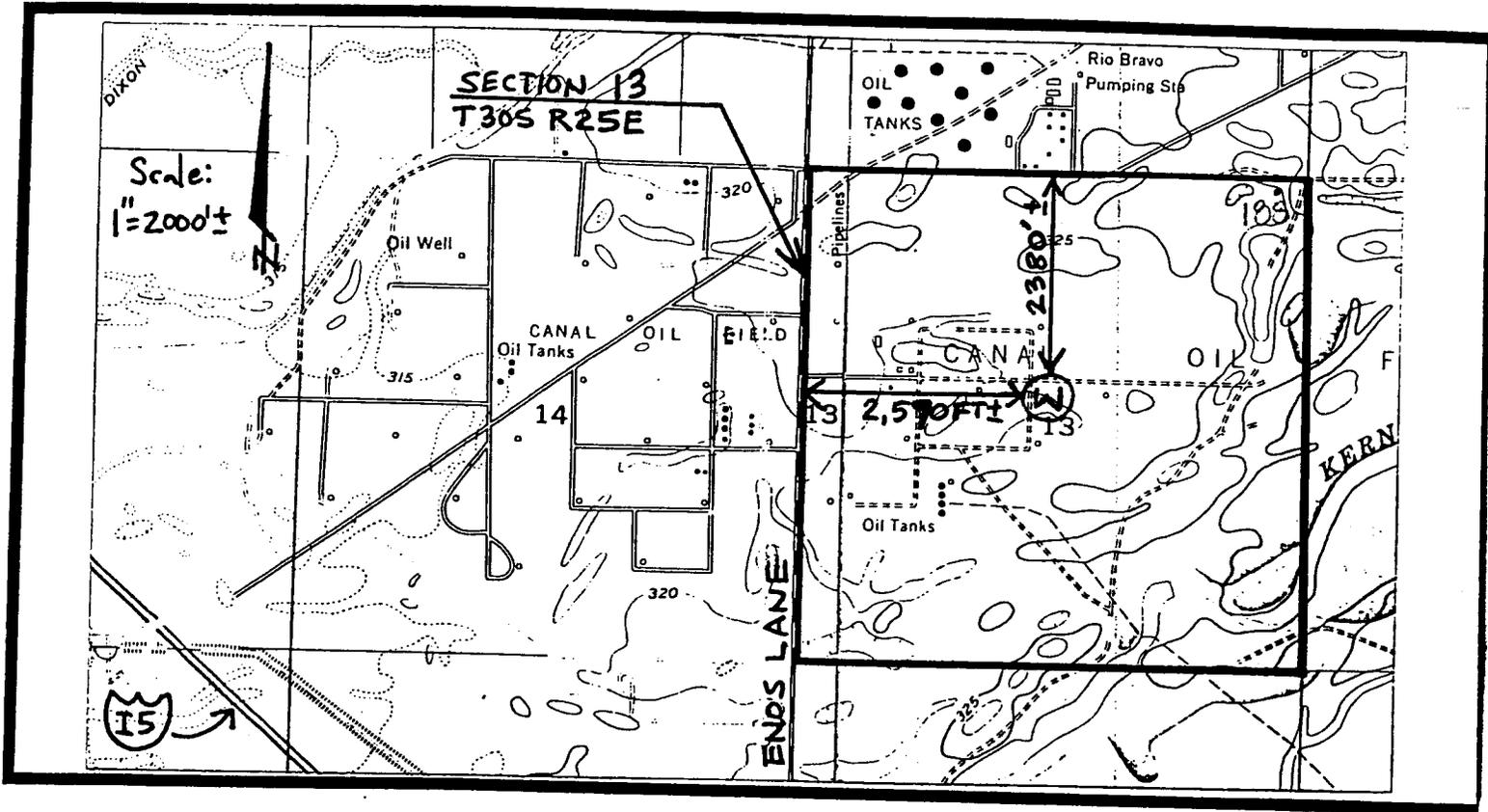
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u> Receipt # <u>14266</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>136094</u>) Fee received by: <u>W. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>F. Chaul</u> Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T 30s R 25 E Section No.: 13

D	C	B	A
E	F	Well	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 22, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

FEB 26 2001

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three (3) agricultural wells have been received and reviewed. The wells will be located as follows:

<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-758	160-070-22	30S/25E/13-F
EH-759	160-070-20	30S/25E/24-K
EH-760	160-070-20	30S/25E/13-J

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp or seal.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

cc: Farm Pump & Irrigation - Drilling Consultant
Files EH-758, 759 & 760

Hardy\Water\2001\KWBA-3-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-760

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License 602118 Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 13 40 Acre Sub J
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-070-20
SITE ADDRESS if available: N/A TOTAL ACRES: 167
DIRECTIONS to Well Site: Take Enos Lane about 2 3/4 mile south of Stockdale Hwy. Go about 1 mile east.

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hub Grimm Date 2/22/01

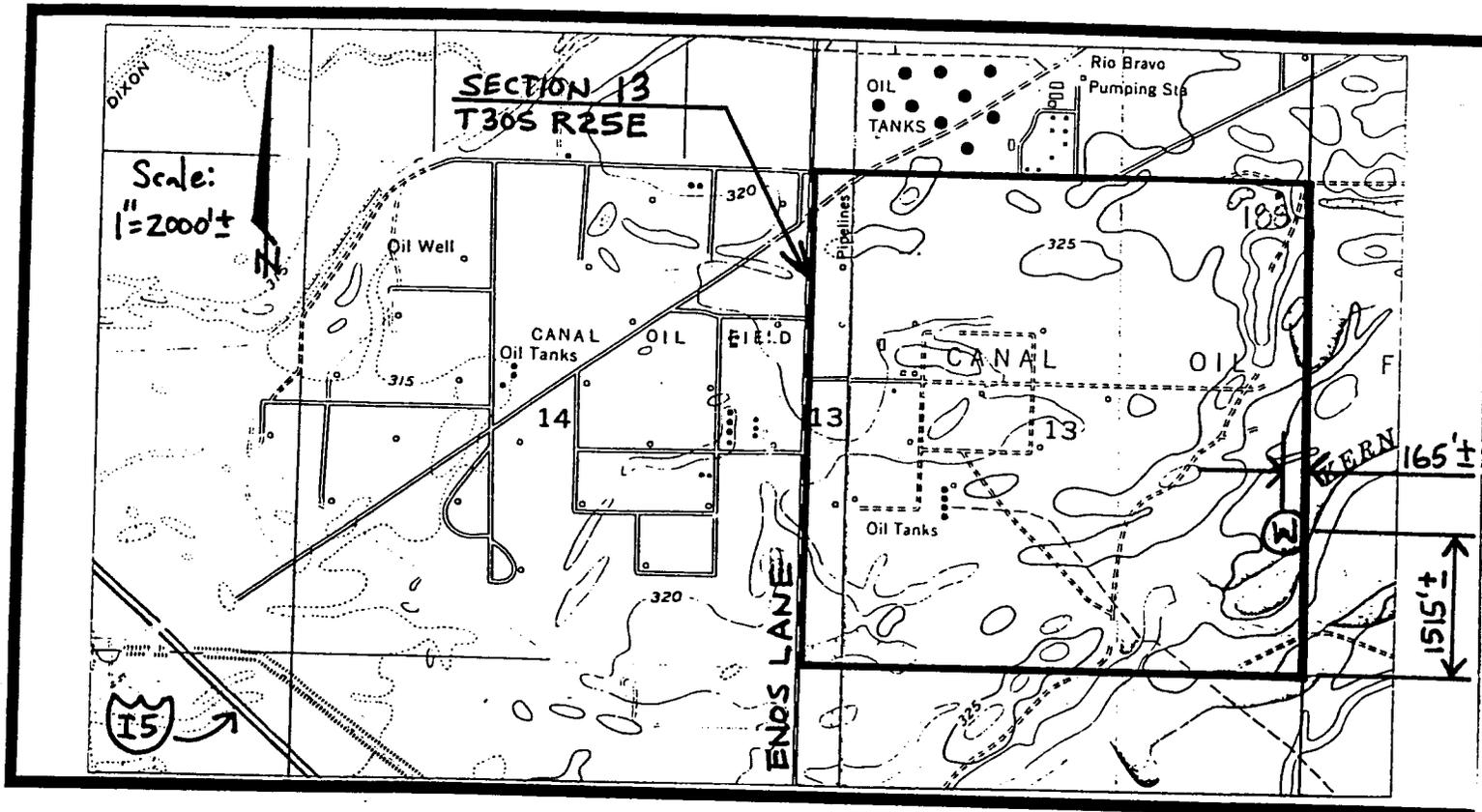
<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u></p> <p>Receipt # <u>142660</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>026094</u>)</p> <p>Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>F. Chavis</u></p> <p>Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 13

D	C	B	A
E	F	G	H
M	L	K	J Well
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

14501
RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 10, 2000

OCT 13 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-070-02, T30S, R25E, Section 14-E, has been received and reviewed.

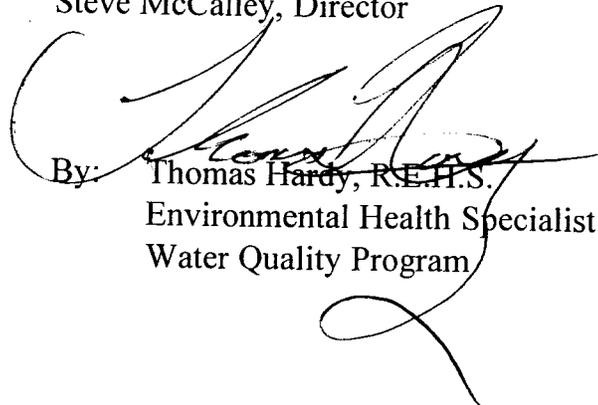
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: 
Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-566

Hardy\Water\KWaterB-w23b



APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/2000 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 14 40 Acre Sub E
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-070-02
SITE ADDRESS if available: N/A TOTAL ACRES: 369.51
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go west on north side of KWBA canal.

TYPE OF WORK TO BE DONE: (check one)

- New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:

- Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)

- Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

- Yes No
From 900 To 200 Feet

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Hert Jimenez or Agency _____ Date 10/4/00

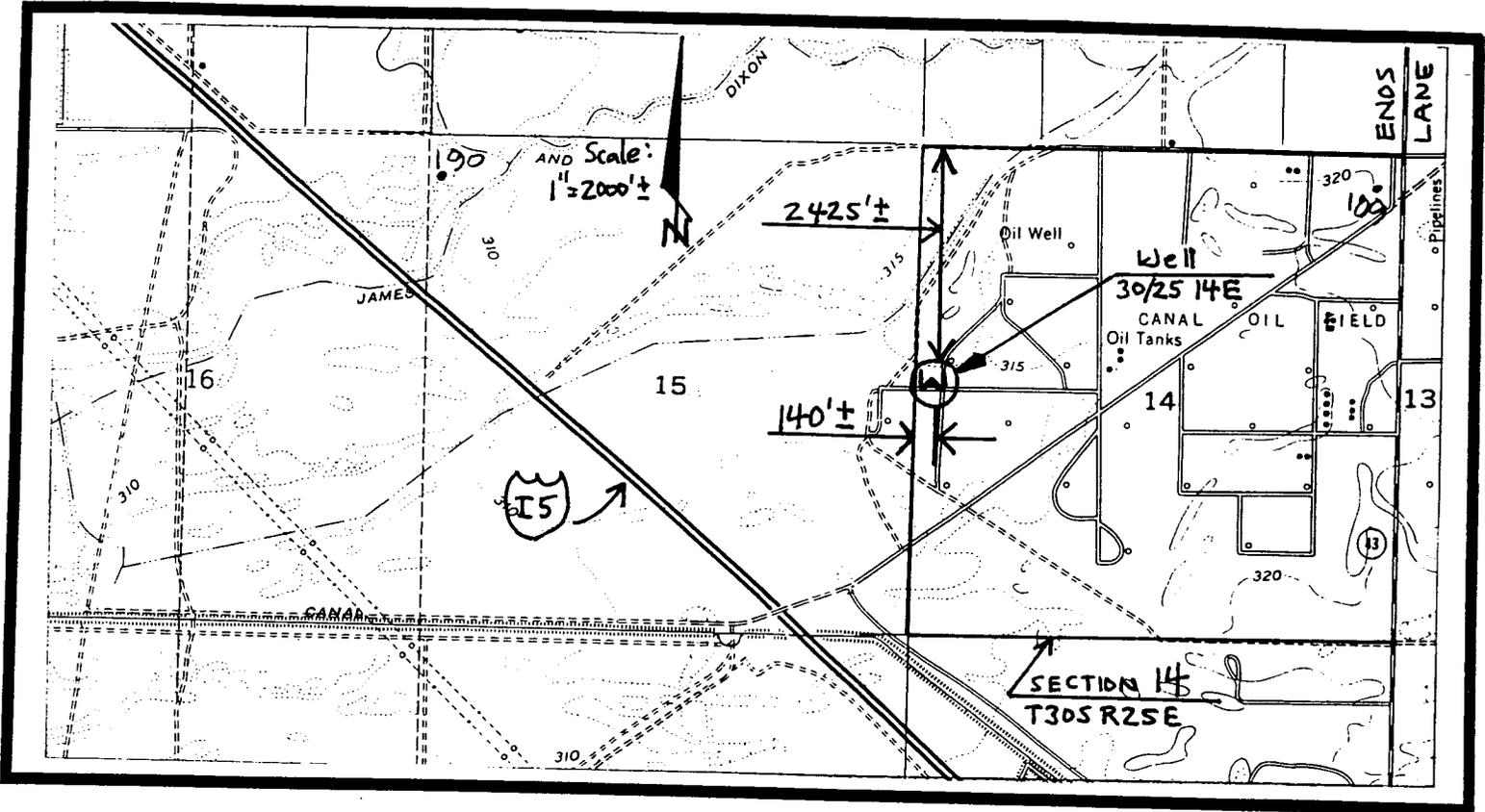
<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>10/4/00</u></p> <p>Receipt # <u>9837</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>35473</u>)</p> <p>Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>10/4/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R2SE Section No.: 14

D	C	B	A
E	F	G	H
Well			
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct four agricultural wells located in Sections 15-L, 16-D, 15-E, and 14-J of T30S, R25E, have been received and reviewed. The wells are located on Assessor's Parcel Numbers 160-080-02 (two wells), 160-080-01, and 160-070-03.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A large, stylized handwritten signature in black ink, appearing to read "THOMAS HARDY".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

jrw

Enclosure

cc: Files EH-460, EH-461,
EH-462, EH-463

(water\hardy\water bank-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



JUN 21 2000

Permit # EH-46

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-31-00 PROPOSED START DATE 6-7-00

OWNER: KERN WATER BANK AUTHORITY Phone: 399-8758

Mailing Address: Box 80607 City BAKERSFIELD Zip: 93380

DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: 399-8738

Address: Box 80607 City: BAKERSFIELD Zip: 93380

SUBCONTRACTOR: Drilling Consultant: Farm Pump Inc. Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: T 30 R 25 Sec. 14 40 Acre Sub J

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 070 03007

SITE ADDRESS if available: _____ TOTAL ACRES: 236

DIRECTIONS to Well Site: EXOS LANE 3 1/2 MI. SOUTH OF STOCKDALE HWY
WEST ON NORTH SIDE OF KWBA CANAL

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 700 Feet

PROPOSED CASING:
Type STEEL
Diameter 12"
Gauge/Wall 3/16
Conductor Depth 10+

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 100 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 900 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150+
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Mike Hester or Agency _____ Date 5-31-00

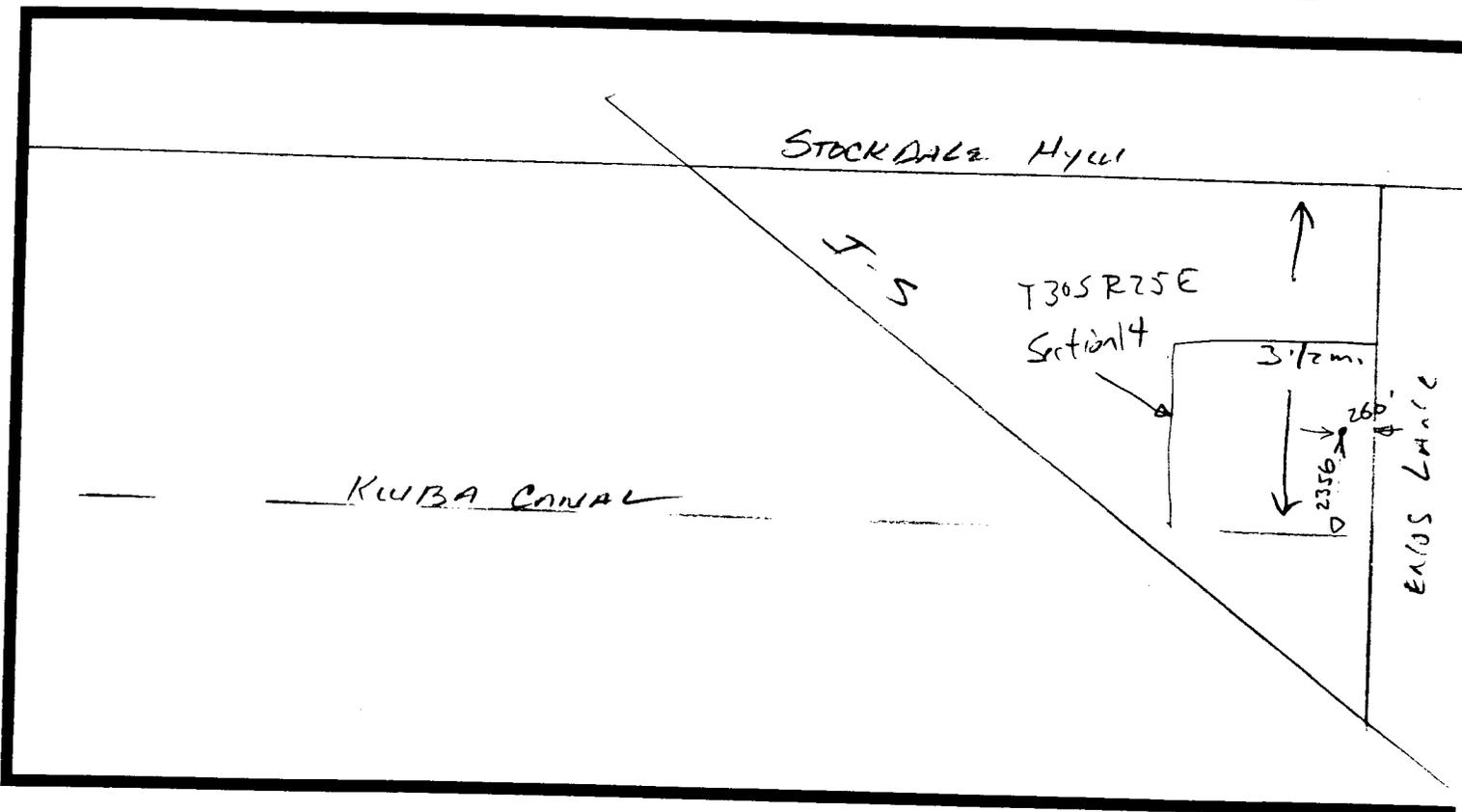
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u> Receipt # <u>5033</u> <input type="checkbox"/> Cash <input type="checkbox"/> Check (#<u>34703</u>) Fee received by: <u>Michelle Salinas</u></p>
<p style="text-align: center;">ZONING <u>A</u></p> <p>Zone: _____ Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>F. Chandel</u> Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 14

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

X

2004

14

14J1

16007003007

260 ft

2,356 ft

16007008002

16007023005

16007006006

R5

16007022002

13

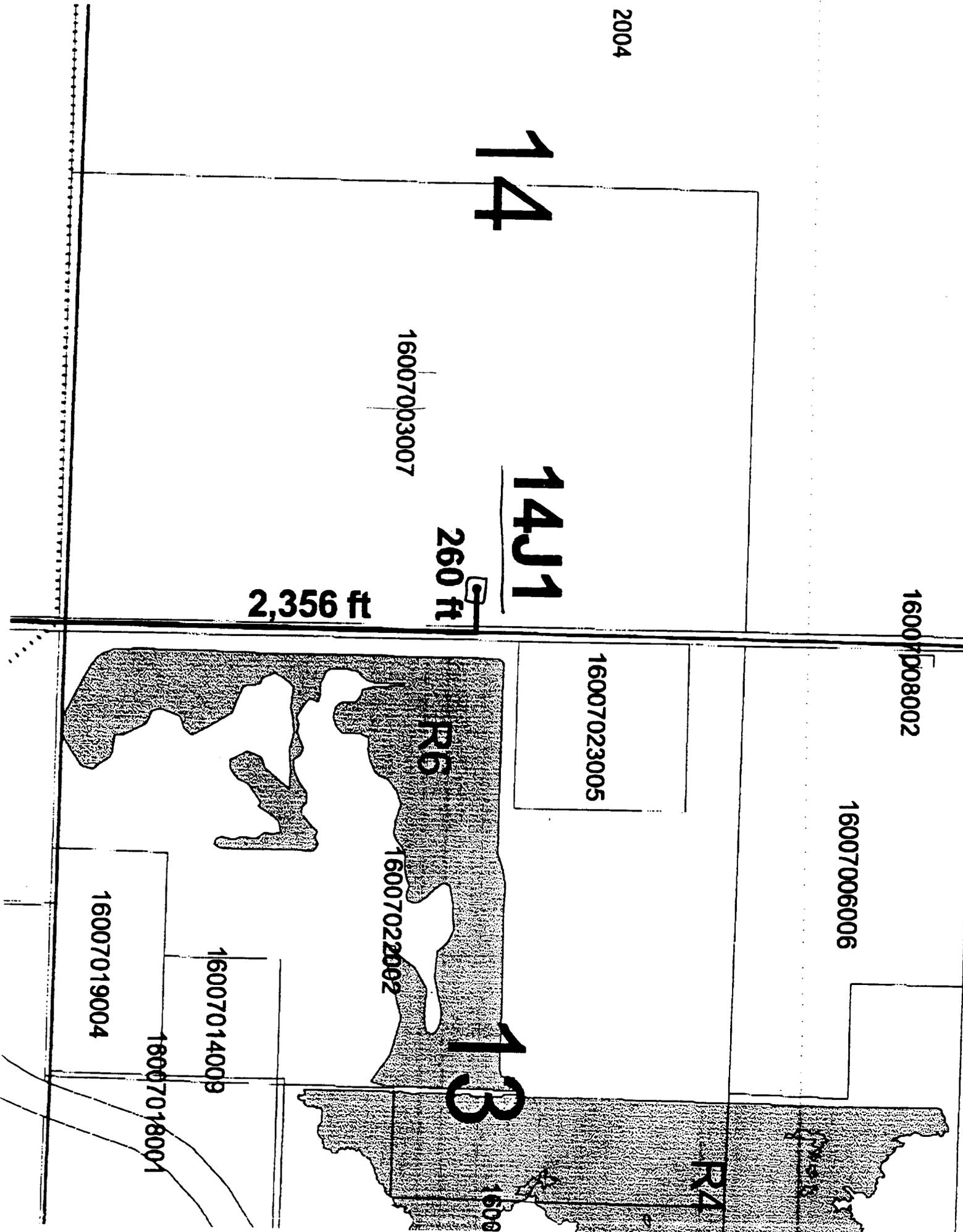
R4

16007015008

16007019004

16007014009

16007018001



ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 8, 2001

007 15 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three agricultural wells have been received and reviewed. The wells will be located as follows:

<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-1011	160-020-06	T30S, R25E, Section 4-N
EH-1012	160-070-03	T30S, R25E, Section 14-K
EH-1013	160-050-04	T30S, R25E, Section 10-Q

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

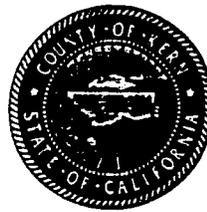
By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

cc: Farm Pump & Irrigation, Drilling Consultant
Files EH-1011, EH-1012, EH-1013

(water\hardy\eh1011-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-1012

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/05/2001 PROPOSED START DATE 10/22/2001
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR: DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6701
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 14 40 Acre Sub K
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-070-03
SITE ADDRESS if available: N/A TOTAL ACRES: 235.65
DIRECTIONS to Well Site: Go south on Enos Lane about 3 miles from Stockdale Hwy to KWBA Main Canal. Go about 1/2 mile west on north bank of canal, then about 1/2 mile north.

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Neil Finneman Date 10/05/2001

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>330</u> Date Paid: <u>10/5/01</u></p> <p>Receipt # _____ <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# _____)</p> <p>Fee received by: <u>SPJ</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>By: <u>D. Nelson</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>Date: <u>10/5/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center;"><u>SPJ</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Department
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (661) 862-8700
 FAX (661) 862-8701

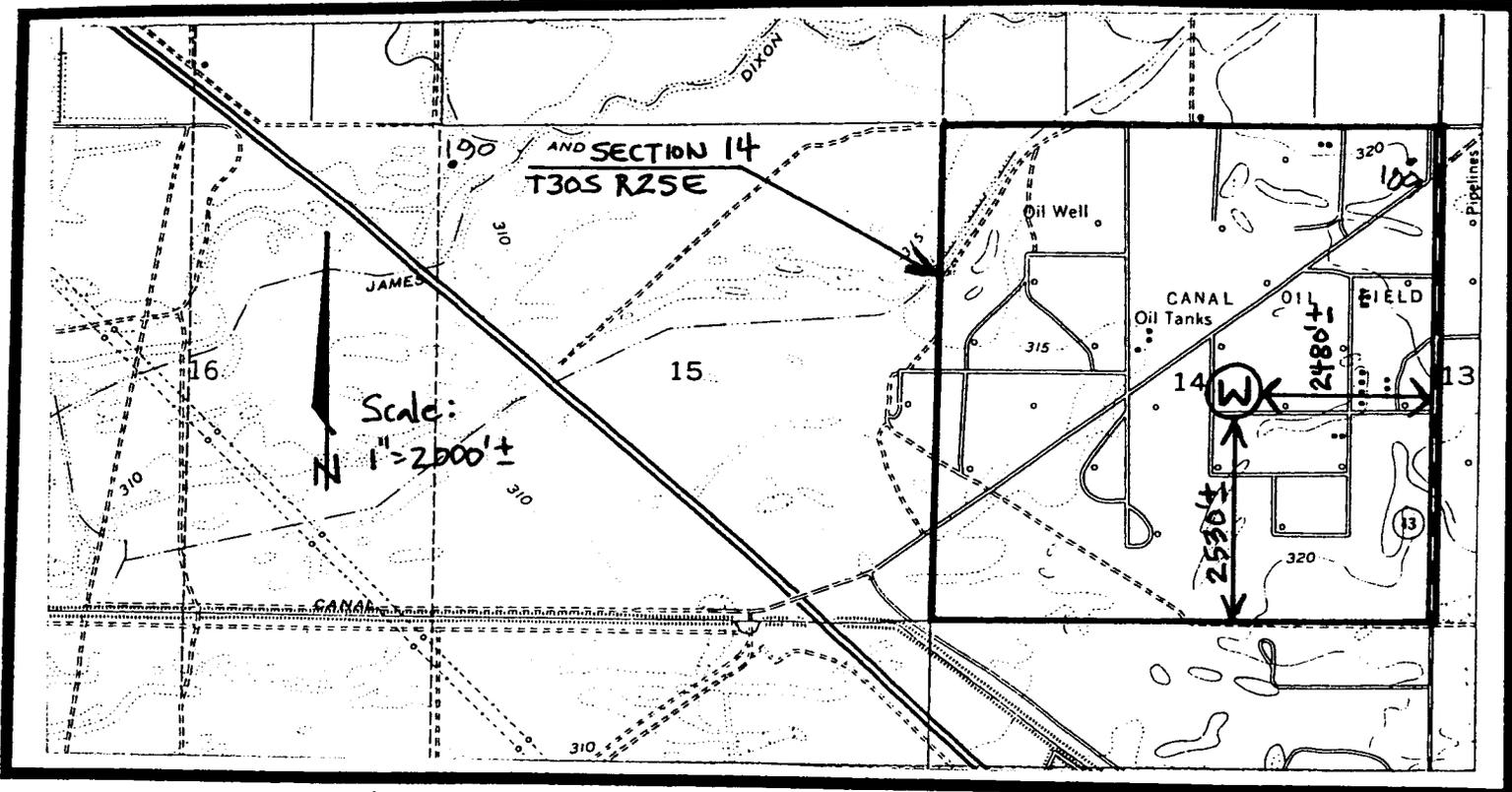
Parcel/Map/Tract 160

Parcel No. 070

Assessor's Parcel No. 03

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 14

D	C	B	A
E	F	G	H
M	L	<u>K</u>	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

MAR 27 2000

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

March 22, 2000

Kern Water Bank Authority
Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-070-04, T30S, R25E, Section 14-N, has been received and reviewed.

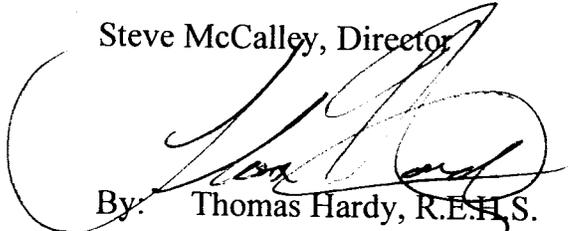
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: 
Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-386

Hardy\Water\KernWaterBankA-w23b

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY -- DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Owner's Well No. 30/25 14N01 No. _____
Date Work Began 4/3/2000, Ended 4/22/2000
Local Permit Agency KERN COUNTY ENVR. HEALTH DEPT.
Permit No. EH-386 Permit Date 3/22/2000

GEOLOGIC LOG

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain, size, color, etc.</i>
Fl.	to Fl.	
0	10	SAND AND CLAY
10	20	SAND AND CLAY
20	30	SAND AND CLAY
30	40	SAND AND CLAY
40	50	SAND AND CLAY
50	60	SAND AND CLAY
60	72	CLAY
72	152	SAND
152	171	CLAY
171	205	SAND
205	230	CLAY
230	253	SAND
253	287	CLAY
287	291	SAND
291	297	CLAY
297	301	SAND
301	303	CLAY
303	306	SAND
306	322	CLAY
322	332	SAND
332	338	CLAY
338	347	SAND
347	359	CLAY
359	372	SAND
372	385	CLAY
385	394	SAND
394	422	CLAY
422	426	SAND
426	479	CLAY
479	489	SAND

TOTAL DEPTH OF BORING 870 (Feet)
TOTAL DEPTH OF COMPLETED WELL 720 (Feet)

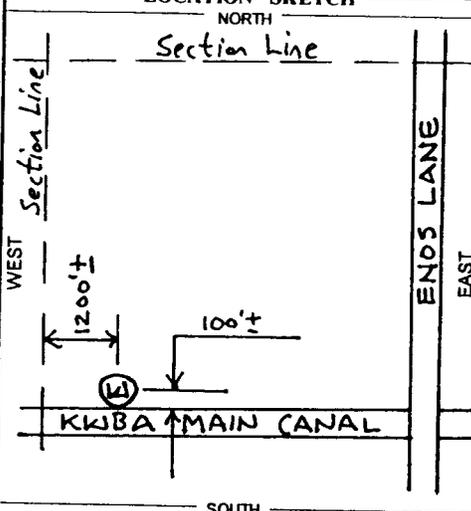
WELL OWNER

Name Kern Water Bank Authority
Mailing Address P.O. Box 80607
Bakersfield CA 93380
CITY STATE ZIP

WELL LOCATION

Address NONE
City CA
County Kern
APN Book 160 Page 070 Parcel 04
Township 30 S Range 25 E Section 14 SW SW SE
Latitude _____

DEG. MIN. SEC. LOCATION SKETCH DEG. MIN. SEC. ACTIVITY (✓)



- NEW WELL
- MODIFICATION/REPAIR
 - Deepen
 - Other (Specify) _____
- DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
- PLANNED USES (✓)
 - WATER SUPPLY
 - Domestic
 - Public
 - Irrigation
 - Industrial
 - MONITORING
 - TEST WELL
 - CATHODIC PROTECTION
 - HEAT EXCHANGE
 - DIRECT PUSH
 - INJECTION
 - VAPOR EXTRACTION
 - SPARGING
 - REMEDIATION
 - OTHER (SPECIFY) _____

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 40 (FL) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 65 (FL) & DATE MEASURED 4/15/2000
ESTIMATED YIELD _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (FL)
May not be representative of a well's long-term yield.

DEPTH FROM SURFACE Fl. to Fl.	BORE-HOLE DIA. (Inches)	CASING (S)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
		TYPE (✓)	BLANK	SCREEN	CON. DUCTOR				
0	72	48				STEEL	35.5	0.25	NONE
0	169	30	✓			STEEL	18	.3125	NONE
169	289	30		✓		STEEL	18	.3125	.050
289	319	30		✓		STEEL	18	.3125	NONE
319	459	30		✓		STEEL	18	.3125	.050
459	480	30	✓			STEEL	18	.3125	NONE

DEPTH FROM SURFACE Fl. to Fl.	ANNULAR MATERIAL TYPE			
	CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	72	✓		
0	135	✓		
135	140			FINE SAND
140	740			GRAVEL

- ATTACHMENTS (✓)**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - Other _____
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FARM PUMP & IRRIGATION
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
P.O. Box 1477
ADDRESS _____
Signed [Signature] Shafter CA 93263
CITY STATE ZIP
WELL DRILLER/AUTHORIZED REPRESENTATIVE
DATE SIGNED 09/14/01 602110 602148
C-57 LICENSE NUMBER

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

March 22, 2000

Kern Water Bank Authority
Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-070-03, T30S, R25E, Section 14-R, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp or mark.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-387

Hardy\Water\KernWaterBank-w23b

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Owner's Well No. 30/25 14R01 No. _____
Date Work Began 4/23/2000, Ended 5/7/2000
Local Permit Agency KERN COUNTY ENVR. HEALTH DEPT.
Permit No. EH-387 Permit Date 3/22/2000

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO

LATITUDE LONGITUDE

APN/TRS/OTHER

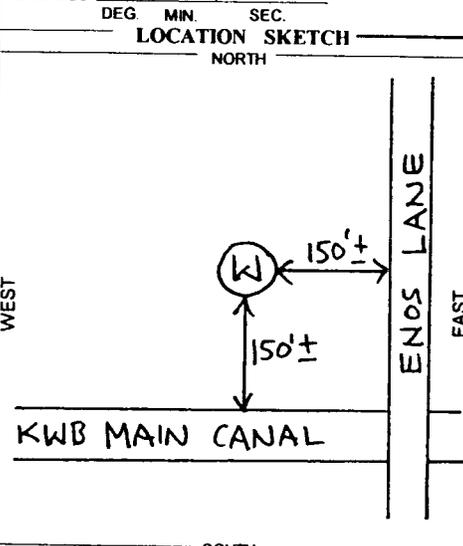
GEOLOGIC LOG

WELL OWNER

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain, size, color, etc.</i>
Ft.	to Ft.	
0	75	SAND AND CLAY
75	85	CLAY
85	115	CLAY
115	155	SAND
155	170	CLAY
170	183	SAND
183	197	CLAY
197	208	SAND
208	229	CLAY
229	240	SAND
240	246	CLAY
246	293	SAND
293	327	CLAY
327	345	SAND
345	404	CLAY
404	410	SAND
410	464	CLAY
464	467	SAND
467	474	CLAY
474	494	SAND
494	511	CLAY
511	514	SAND
514	532	CLAY
532	533	SAND
533	579	CLAY
579	589	SAND
589	631	CLAY
631	650	SAND
650	677	CLAY
677	680	SAND

Name Kern Water Bank Authority
Mailing Address P.O. Box 80607
Bakersfield CA 93380
CITY STATE ZIP

WELL LOCATION
Address _____
City CA
County KERN
APN Book 160 Page 070 Parcel 03
Township 30 S Range 25 E Section 14 SE SE SE
Latitude _____



DEG. MIN. SEC. LOCATION SKETCH

ACTIVITY NEW WELL
 MODIFICATION/REPAIR
 — Deepen
 — Other (Specify) _____

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES WATER SUPPLY
 Domestic Public
 Irrigation Industrial

MONITORING
TEST WELL
CATHODIC PROTECTION
HEAT EXCHANGE
DIRECT PUSH
INJECTION
VAPOR EXTRACTION
SPARGING
REMEDATION
OTHER (SPECIFY) _____

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER 45 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 60 (Ft.) & DATE MEASURED _____
ESTIMATED YIELD _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 720 (Feet)
TOTAL DEPTH OF COMPLETED WELL 700 (Feet)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING (S)					
		TYPE <input checked="" type="checkbox"/>	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
0 to 82	48	<input checked="" type="checkbox"/>	STEEL	35.5	0.25	NONE	
0 to 199	30	<input checked="" type="checkbox"/>	STEEL	18	.3125	NONE	
199 to 339	30	<input checked="" type="checkbox"/>	STEEL	18	.3125	0.070	
339 to 369	30	<input checked="" type="checkbox"/>	STEEL	18	.3125	NONE	
369 to 554	30	<input checked="" type="checkbox"/>	STEEL	18	.3125	0.070	
554 to 574	30	<input checked="" type="checkbox"/>	STEEL	18	.3125	NONE	

DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE			
	CE-MENT <input checked="" type="checkbox"/>	BEN-TONITE <input checked="" type="checkbox"/>	FILL <input checked="" type="checkbox"/>	FILTER PACK (TYPE/SIZE)
0 to 82	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
0 to 165	<input checked="" type="checkbox"/>			
165 to 170				FINE SAND
170 to 720				GRAVEL

- ATTACHMENTS**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - Other _____
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME FARM PUMP & IRRIGATION
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
P.O. Box 1477 Shafter CA 93263
ADDRESS CITY STATE ZIP
Signed Will H. H. WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED 09/14/01 C-57 LICENSE NUMBER 602110 602140

121-15-1

15B01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

Ki D Drilling
6201 Wible Rd sp64 93309

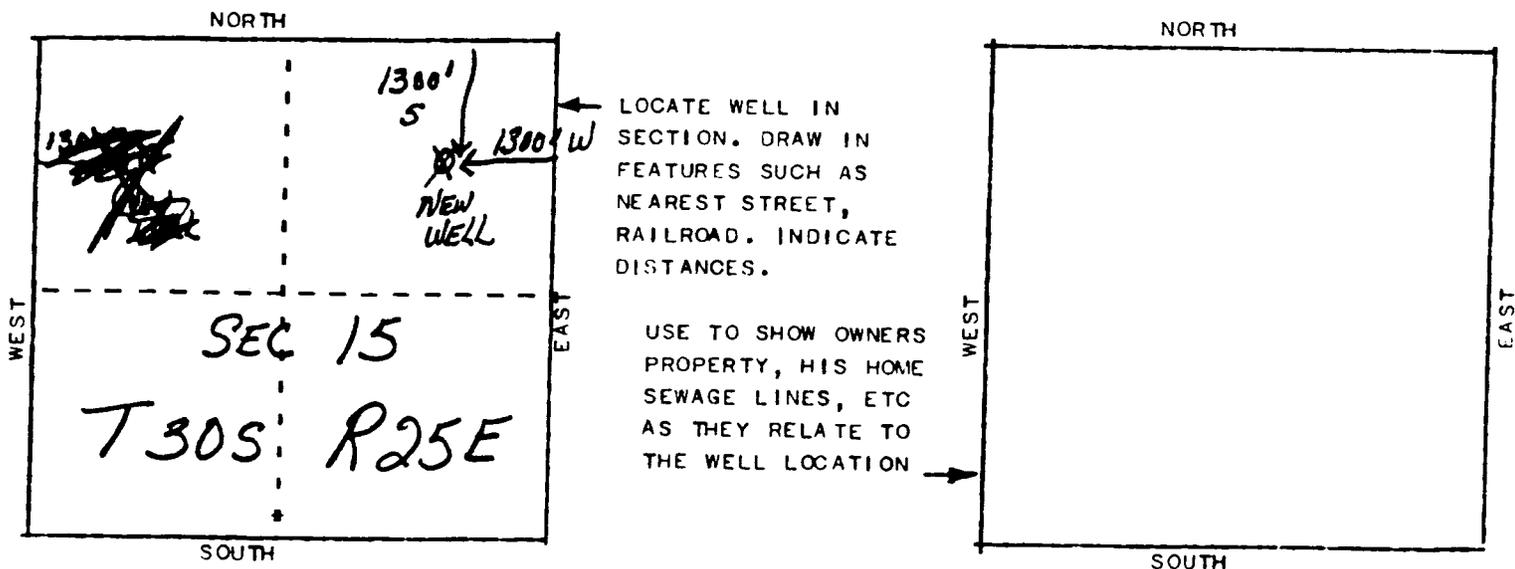
C57288763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY TENNECO West

WHOSE MAILING ADDRESS IS P.O. Box 9380 93309

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
(6D15.3) 1300'S E 1300' W of NE Cor. SEC 15
T30S R25E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Ernest D. Lynch AS AGENT FOR Ki D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED

APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY: Ernest D. Lynch "A"
KERN COUNTY PLANNING COMMISSION
DATE: 5-28-76

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

121-15-2

15001

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY

NAME AND ADDRESS

K:D Drilling
6201 Wible Rd sp64 93309

C 57 288 763
LICENSE NUMBER

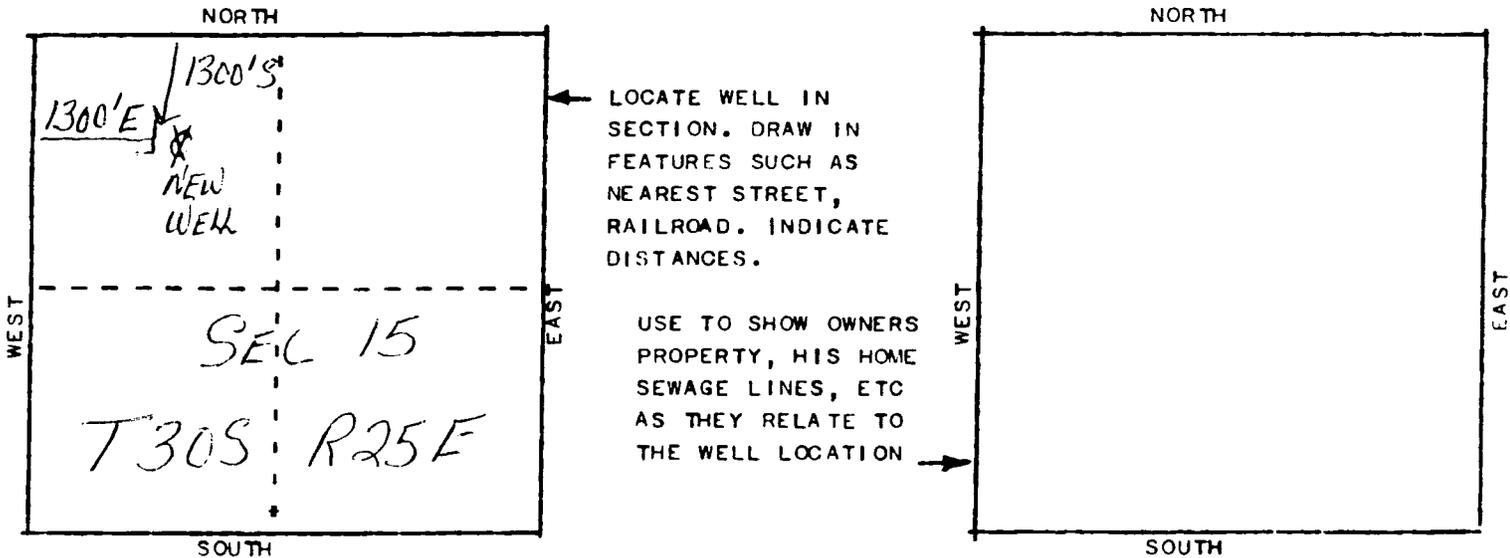
PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY TENNeco West

WHOSE MAILING ADDRESS IS P.O. Box 9380 , 93309

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

(6D15-2) 1300' S & 1300' E of N.W. Cor.

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Katherine D Lynch AS AGENT FOR K:D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY: [Signature] "A"
KERN COUNTY PLANNING COMMISSION
DATE: 5-28-76

HEALTH DEPT. - REMARKS: _____

BY: _____
DATE: _____
PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 14, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-080-02, T30S, R25E, Section 15-N, has been received and reviewed.

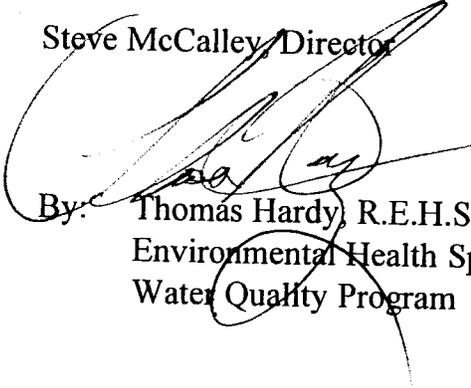
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By:  Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-399

KernWaterBank-EH399-w23b

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701



Permit # EH-399

APPLICATION FOR PERMIT TO CONSTRUCT, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-17-00 PROPOSED START DATE: 3-22-00

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8735

Address: Box 80607 City: BAKERSFIELD Zip: 93380 0607

DRILLING CONTRACTOR: F.P.I. Phone: 661-589-690

Address: 130X 1477 City: SHAFTER Zip: 93263

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: WELL 15A1 T 30S R 2SE Sec. 15 40 Acre Sub. N 2

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-080-01

SITE ADDRESS if available: _____ TOTAL ACRES: 355.91

DIRECTIONS to Well Site: ENOS LANE 3.9 MILES SOUTH OF STOCKDALE HWY
WEST ON NORTH SIDE OF CANAL 1314 mi.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL: (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
 From 800 To 300 Feet

PROPOSED CASING:
 Type STEEL
 Diameter 18"
 Depth 800
 Conductor Depth 70-100
 Gauge/Wall 5/16

PROPOSED WELL CONSTRUCTION (DEPTH)
 Max. 800 Feet
 Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
 From 790' To 320 Feet
 From _____ To _____ Feet

WELL CONSTRUCTION OR DESTRUCTION PROPOSED SEALS/PLUGS:
 Annular 300'±
 Other _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION Well Depth NA ft

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access and flood plain clearances prior to approval of the Environmental Health Services Dept. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features are required before the well is put into use.
8. Construction under this Permit is subject to any instructions by Department representatives.
9. Any misrepresentation or non-compliance with required Permit Conditions, or regulations, will result in issuance of a "Stop Work Order".
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility of all activities and uses under this Permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this Permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to insure compliance with the pertinent regulations.

Owner's Signature Mark Jimenez Date 3/17/00 Drilling Contractor F.P.I. Mike Hylit Date 3-17-00

<p>INTERNAL USE ONLY</p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>3-17-00</u></p> <p>Receipt # <u>2022</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>3A333</u>)</p> <p>Fee Received by: <u>W. Denton</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED</p> <p>BY: <u>FC [Signature]</u></p> <p>DATE: <u>3/17/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

Elevate casing 2' above prevailing ground level or 1' above the perimeter of the level.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701

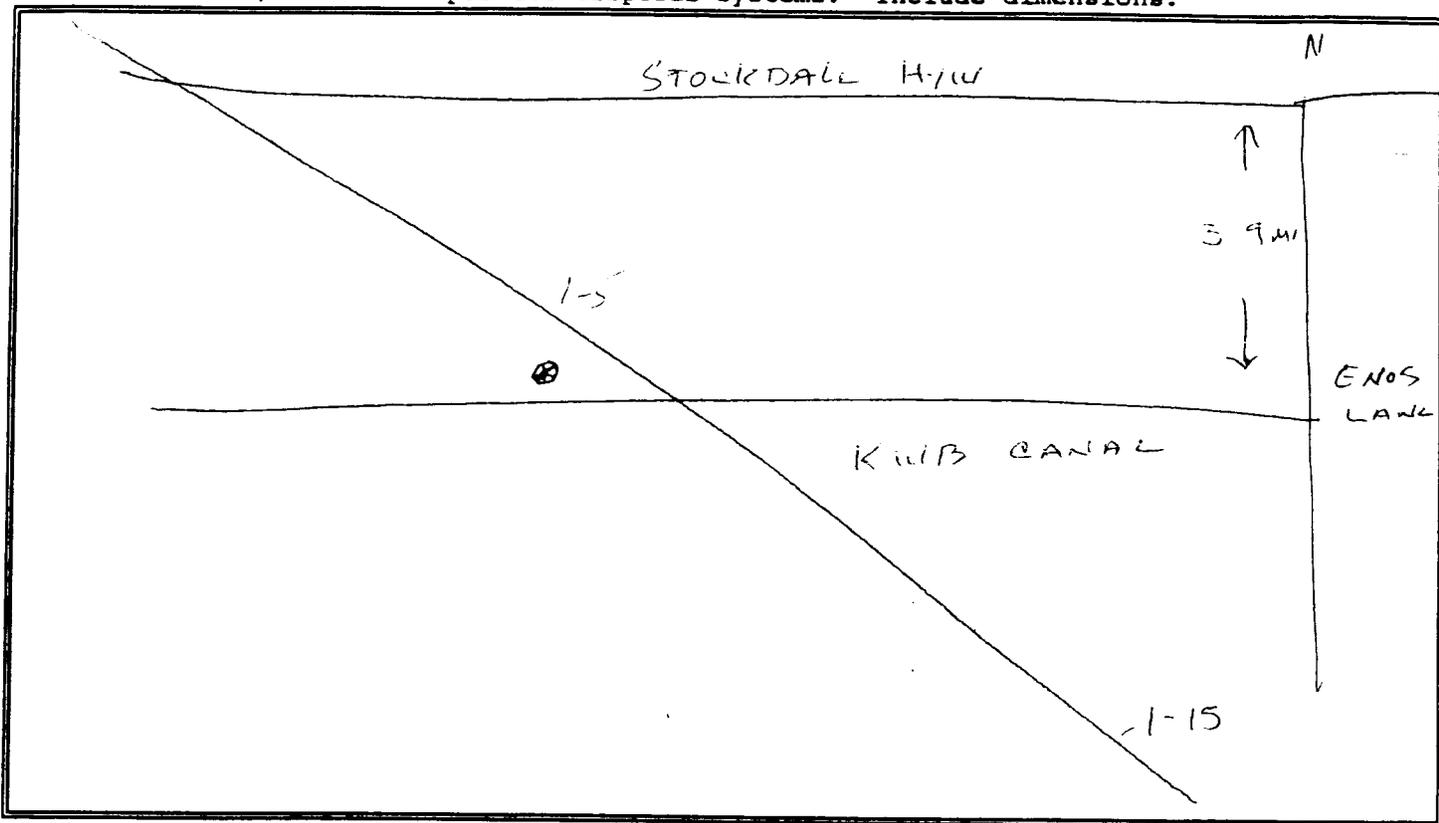
Parcel Map/Tract: _____

Parcel No.: _____

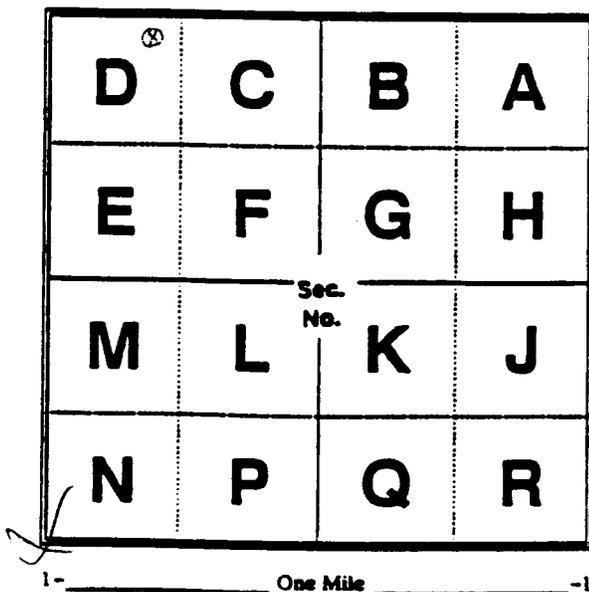
Assessor's Parcel No.: 1400800

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES--Locate well by measuring from proposed site in relation to section lines or 1/2 section lines.



APPLICANTS COPY

KERN COUNTY DEPARTMENT OF ENGINEERING & SURVEY SERVICES

15 30 1

FLOOD PROTECTION REQUIREMENTS FOR A WELL

In response to a request dated April 3, 2000, a flood hazard evaluation was performed for:

Building Permit Number: Well 15N

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 160-080-02

Street Address:

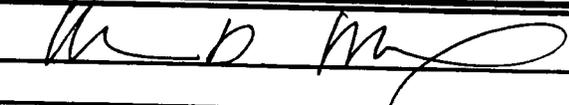
Section Township/Range: Sec 15, T. 30S., R. 25E.

Date completed: April 4, 2000 File: 141.1.121.15.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee is not required. Previous permit no.

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS	
The top of the well casing shall be elevated to a minimum height of:	
<input type="checkbox"/>	_____ foot/feet above the prevailing ground level (see note) at the location of the well site.
<input type="checkbox"/>	_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.
<input checked="" type="checkbox"/>	Two foot feet above the prevailing ground level (see note) at the location of the well site or one foot above the perimeter levee, whichever is higher.
Reviewed by: 	

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____ effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from the Kern River and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

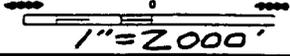
- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

Use the FLOOD INSURANCE RATE MAP EFFECTIVE date on this map to determine when additional rates apply to you in the zones where elevations or depths have been established.

Where flood insurance is available in this community, your insurance agent, or call the National Flood Insurance Program at (800) 638-6620.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

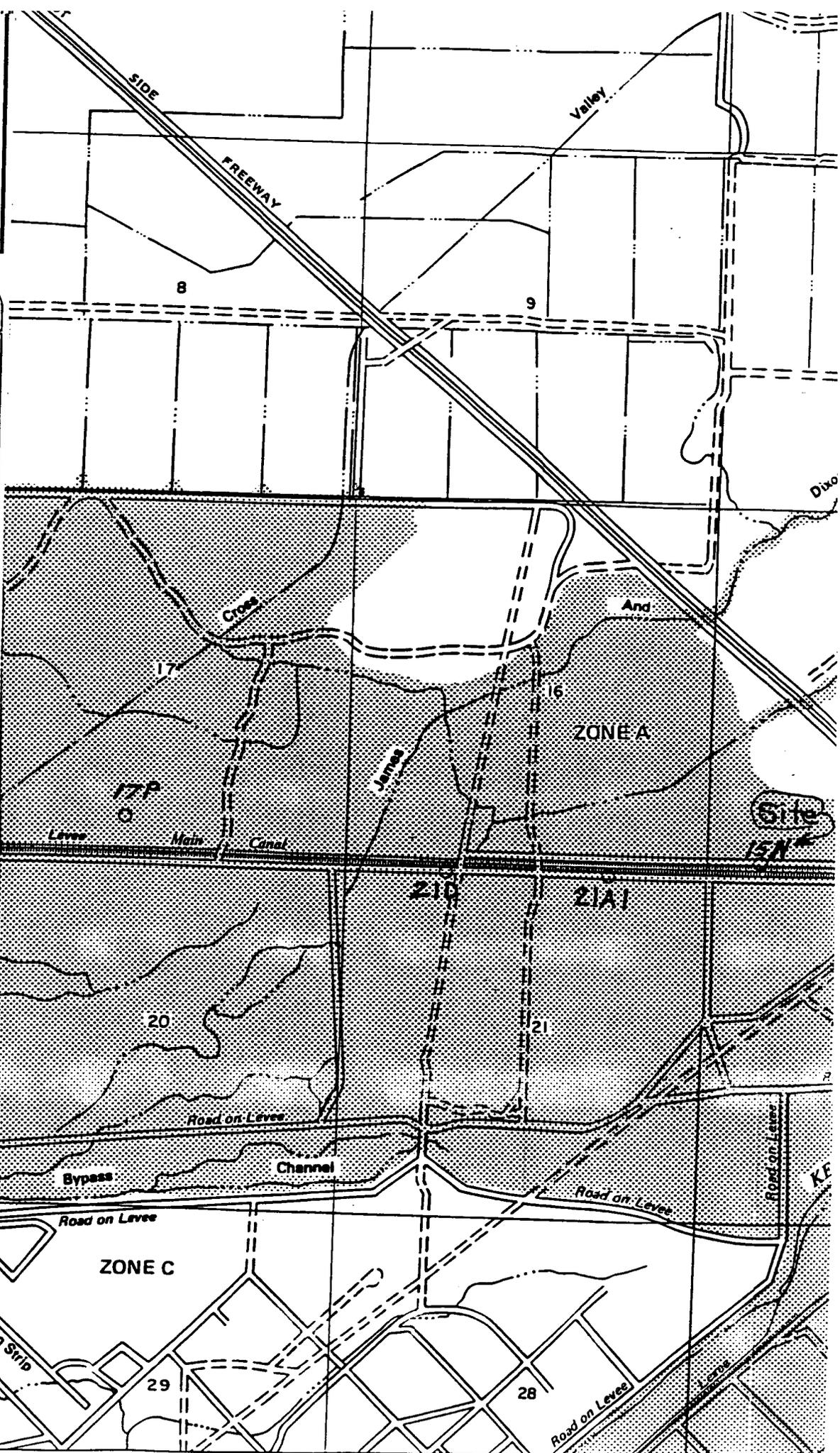
PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency



FLOOD PROTECTION REQUIREMENTS FOR A WELL

In response to a request dated Mar. 23, 2000, a flood hazard evaluation was performed for:

Building Permit Number: _____

Applicant: Jeff & June Spindler

Assessor's Parcel Number: 352-201-42

Street Address: 1508 Indian Wells Ct., East of Inyokern

Section Township/Range: Sec. 28, T. 26S., R. 39E.

Date completed: April 3, 2000 File: 141.1.47.28.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$180.00 is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

Two feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

121-15-04

15R01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

D RILLING COMPANY
NAME AND ADDRESS
(6D15-1)

K&D Drilling
6201 Wilh Rd 864 93307

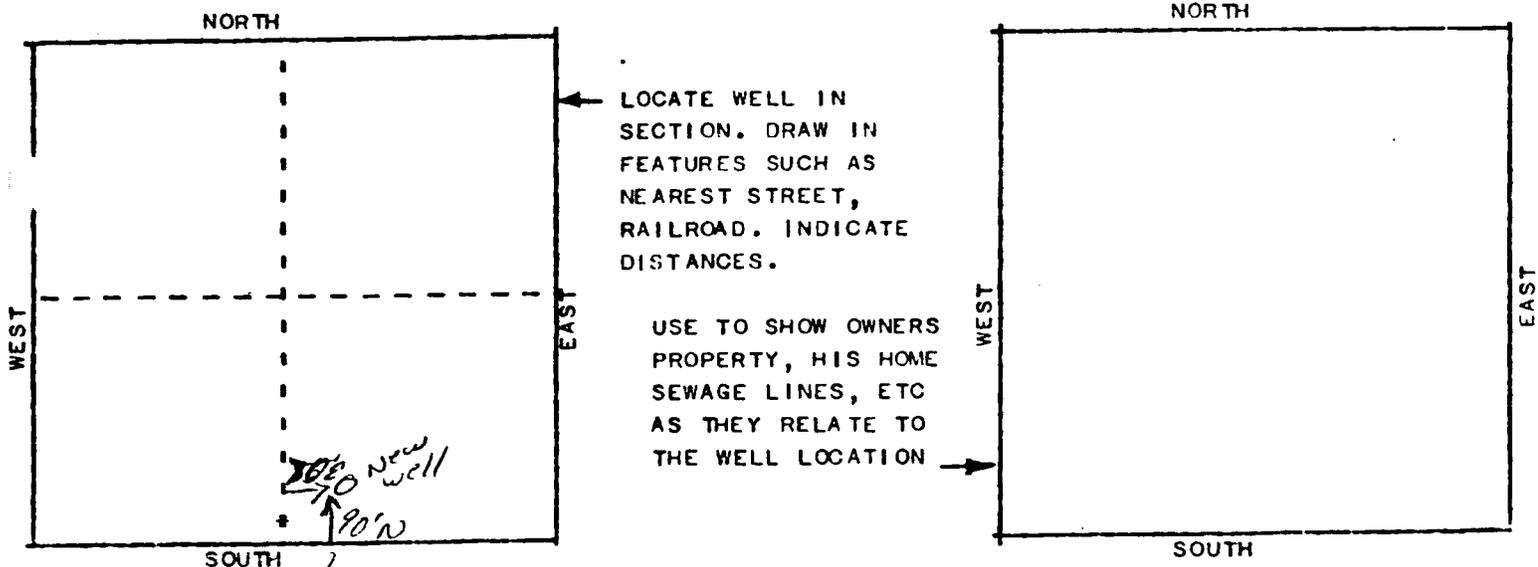
C57288763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY Tenneco West

WHOSE MAILING ADDRESS IS P.O. Box 380, BAKERSFIELD 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
80' N and 80' E of S 14 COR, SEC 15
T 30 S R 25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: [Signature] AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY [Signature]
KERN COUNTY PLANNING COMMISSION
DATE: April 7, 1976

HEALTH DEPT. - REMARKS: _____

BY: _____
DATE: _____

PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 10, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

OCT 13 2000

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-080-01, T30S, R25E, Section 16-B, has been received and reviewed.

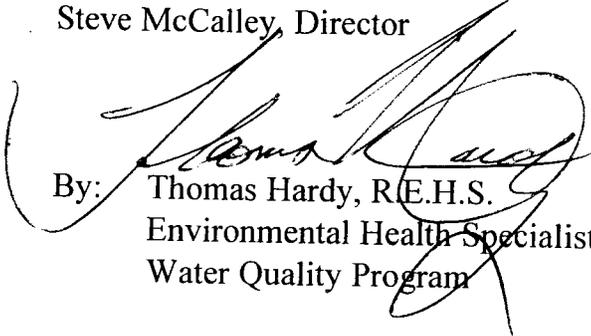
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: 
Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-565

Hardy\Water\KWater-w23b



APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/2000 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 16 40 Acre Sub B
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-080-01 1023
SITE ADDRESS if available: N/A TOTAL ACRES: 334.26
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go west on north side of KWBA canal.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Herk Jimmons or Agency _____ Date 10/4/00

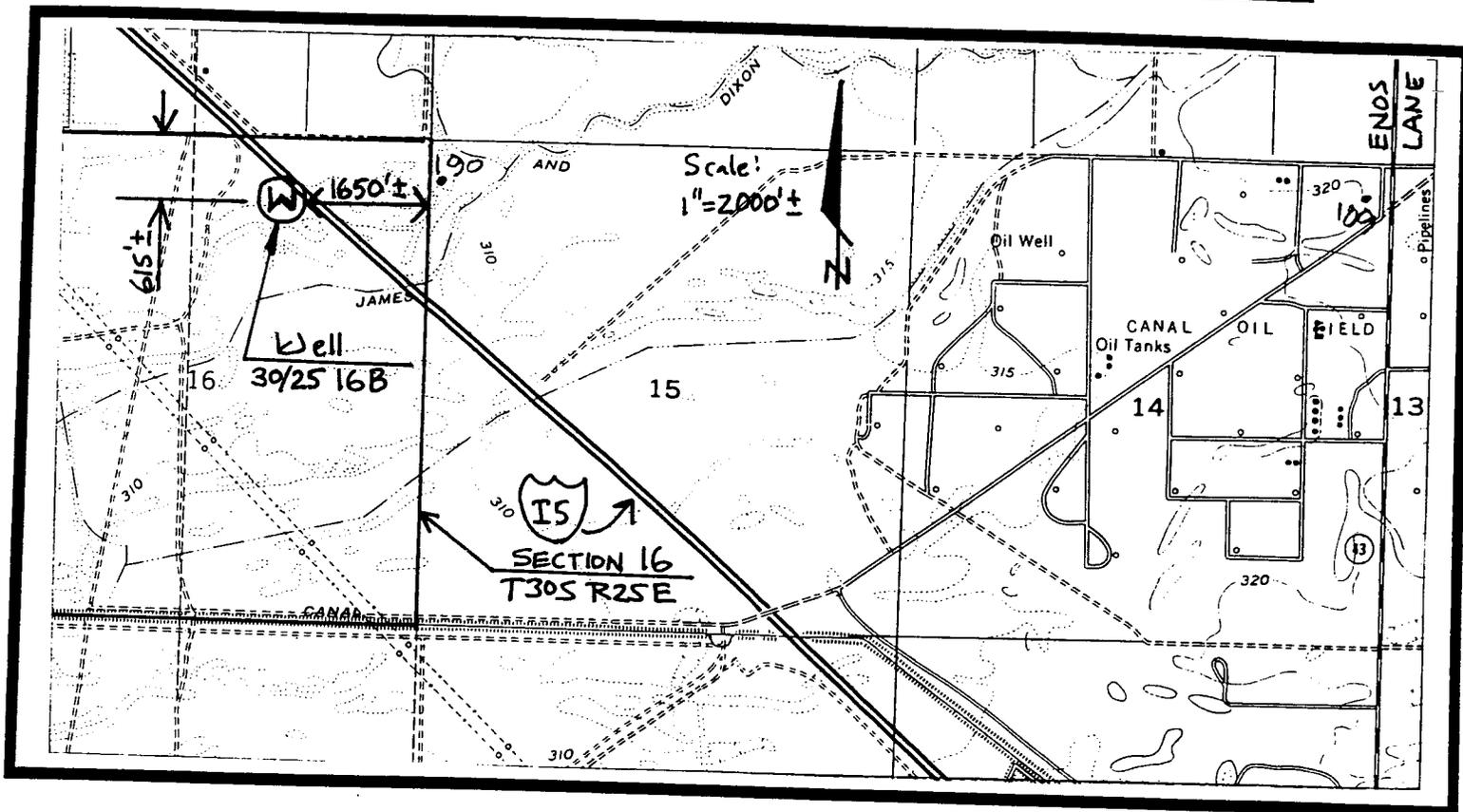
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>10/4/00</u> Receipt # <u>9837</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>35472</u>) Fee received by: <u>M. SALINAS</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No By: <u>[Signature]</u> Date: <u>10/4/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R2SE Section No.: 16

D	C	Well B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct four agricultural wells located in Sections 15-L, 16-D, 15-E, and 14-J of T30S, R25E, have been received and reviewed. The wells are located on Assessor's Parcel Numbers 160-080-02 (two wells), 160-080-01, and 160-070-03.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A large, stylized handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

jrjw

Enclosure

cc: Files EH-460, EH-461,
EH-462, EH-463

(water\hardy\water bank-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



JUN 21 2000

Permit # EH-461

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-31-00 PROPOSED START DATE 6-7-00
OWNER: KERN WATER BANK AUTHORITY Phone: 399-8738
Mailing Address: Box 80607 City BAKERSFIELD Zip: 93380
DRILLING CONTRACTOR KWBA Contractor's License 4 Phone: 399-8738
Address: Box 80607 City: BAKERSFIELD Zip: 93380
SUBCONTRACTOR: Drilling Consultant: Farm Pump Phone: _____
Address: _____ City: _____ Zip: _____

JOB SITE: T 30 S R 25 E Sec. 16 40 Acre Sub D
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 080 01004
SITE ADDRESS if available: _____ TOTAL ACRES: 1623
DIRECTIONS to Well Site: ENDS LANE 3 1/2 MI. SOUTH OF STOCKDALE HWY
WEST ON NORTH SIDE OF KWBA CANAL

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 18"
Gauge/Wall 5/16
Conductor Depth 30'

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 900 To 700 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150'
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
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13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Michelle Saleng or Agency _____ Date 5-31-00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u></p> <p>Receipt # <u>5033</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>34703</u>)</p> <p>Fee received by: <u>Michelle Saleng</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>F. Chomel</u></p> <p>Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

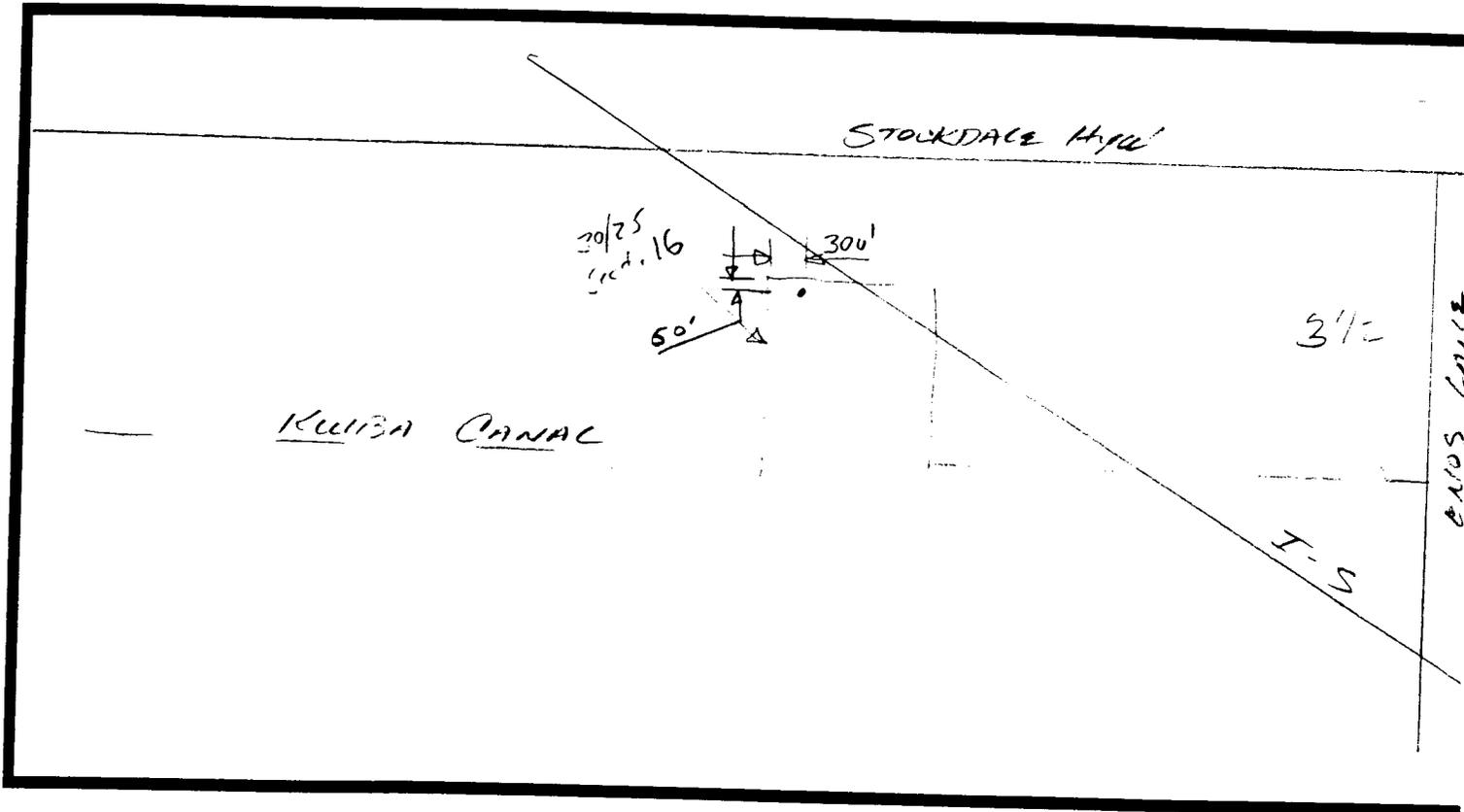
THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Department
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (661) 862-8700
 FAX (661) 862-8701

Parcel/Map/Tract _____
 Parcel No. _____
 Assessor's Parcel No. 160-080-01

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.

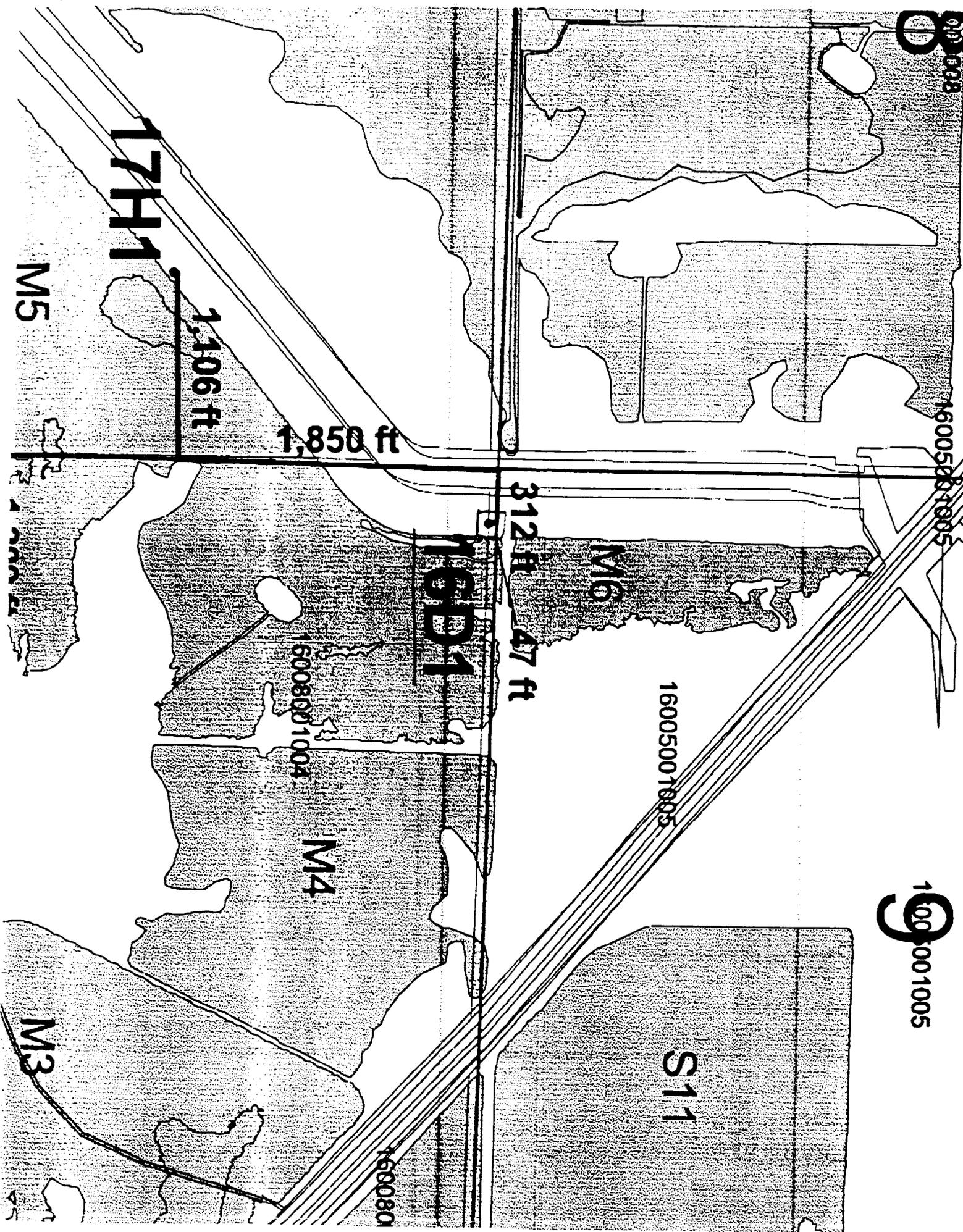


- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 160

<u>X</u> D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1



16005001005

16005001005

16005001005

16005001005

16008001004

DRILLING COMPANY

NAME AND ADDRESS

K&D Drilling
6201 White Rd N¹/₄ 93307

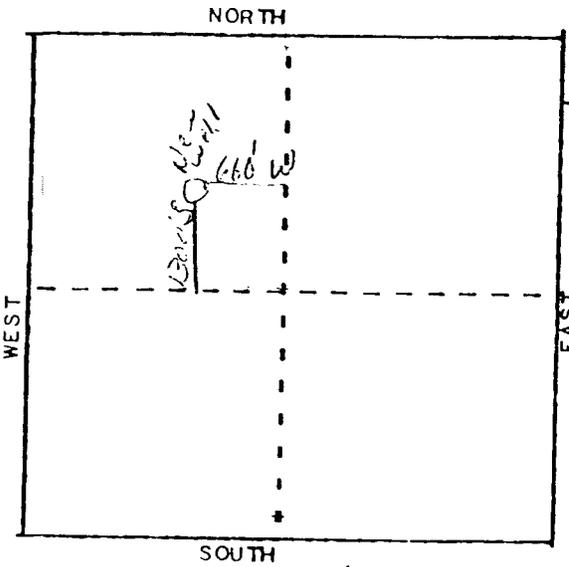
057288763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY TENNICO West

WHOSE MAILING ADDRESS IS P.O. Box 380 BAKERSFIELD 93302

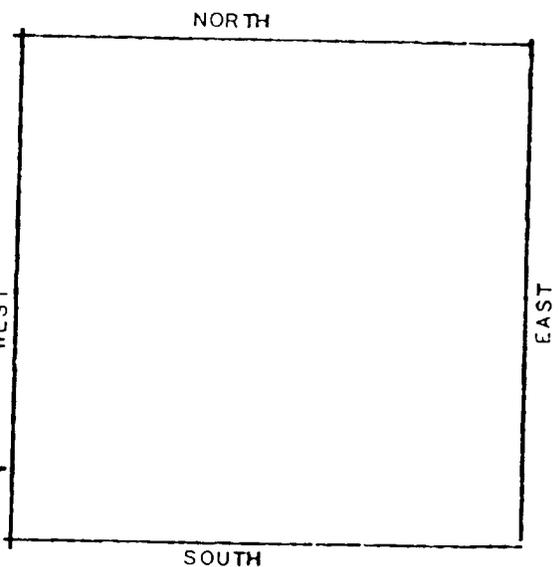
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1300' S and 660' W of N¹/₄ Cor Sec 16
T 30 S R 25.3

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: [Signature] AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED ✓ APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY [Signature] A
KERN COUNTY PLANNING COMMISSION

DATE: April 7, 1976

HEALTH DEPT. - REMARKS:

BY:

DATE:

PERMIT NO.

OCT 27 2000

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

October 24, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-080-01, T30S, R25E, Section 16-J, has been received and reviewed.

In addition to the general conditions listed on the back side of the application for a well permit, the following additional condition will apply to well construction:

- The top of the well casing shall be elevated to a minimum height of two feet (2') above the prevailing ground level.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-595

(water\hardy\eh595-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-595

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 10/04/2000 PROPOSED START DATE 11/01/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR: DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 16 40 Acre Sub J
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-080-01 673.32
SITE ADDRESS if available: N/A TOTAL ACRES: 263.49
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go West on north side of KWBA canal

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL
CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Herb Jimenez Date 10/4/00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>10/4/00</u></p> <p>Receipt # <u>4837</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>35472</u>)</p> <p>Fee received by: <u>M Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>F. Chmud</u></p> <p>Date: <u>10/4/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

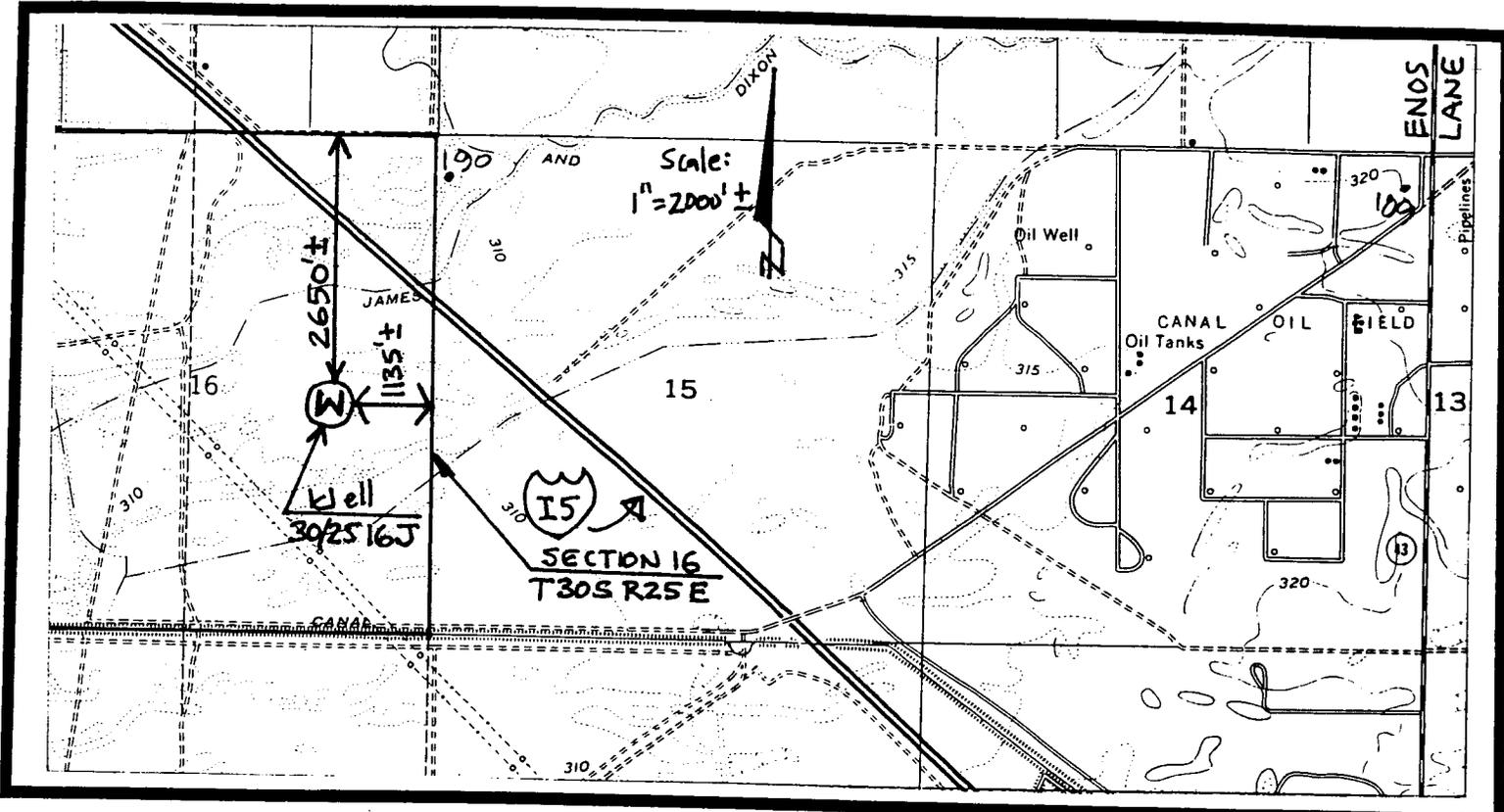
REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

*Elevate casing 2' above grade per Flood Review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 16

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

⊙ Well

1- _____ One Mile _____ -1

16 30/25

**FLOOD PROTECTION REQUIREMENTS
FOR A WELL**

APPLICANTS COPY

In response to a request dated 10/4/00, a flood hazard evaluation was performed for:

Building Permit Number: Well

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 160-080-01

Street Address: P.O. Box 80607

Section Township/Range: Sec. 16, T. 30S., R. 25E.

Date completed: 10/10/00 File: 141.1.121.16.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of ~~\$180~~ ^{No Fee} \$15 is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:
 2.0 ~~1.5~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000B effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____ effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from Kern River _____ and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 ~~foot/foot~~ feet NGVD
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

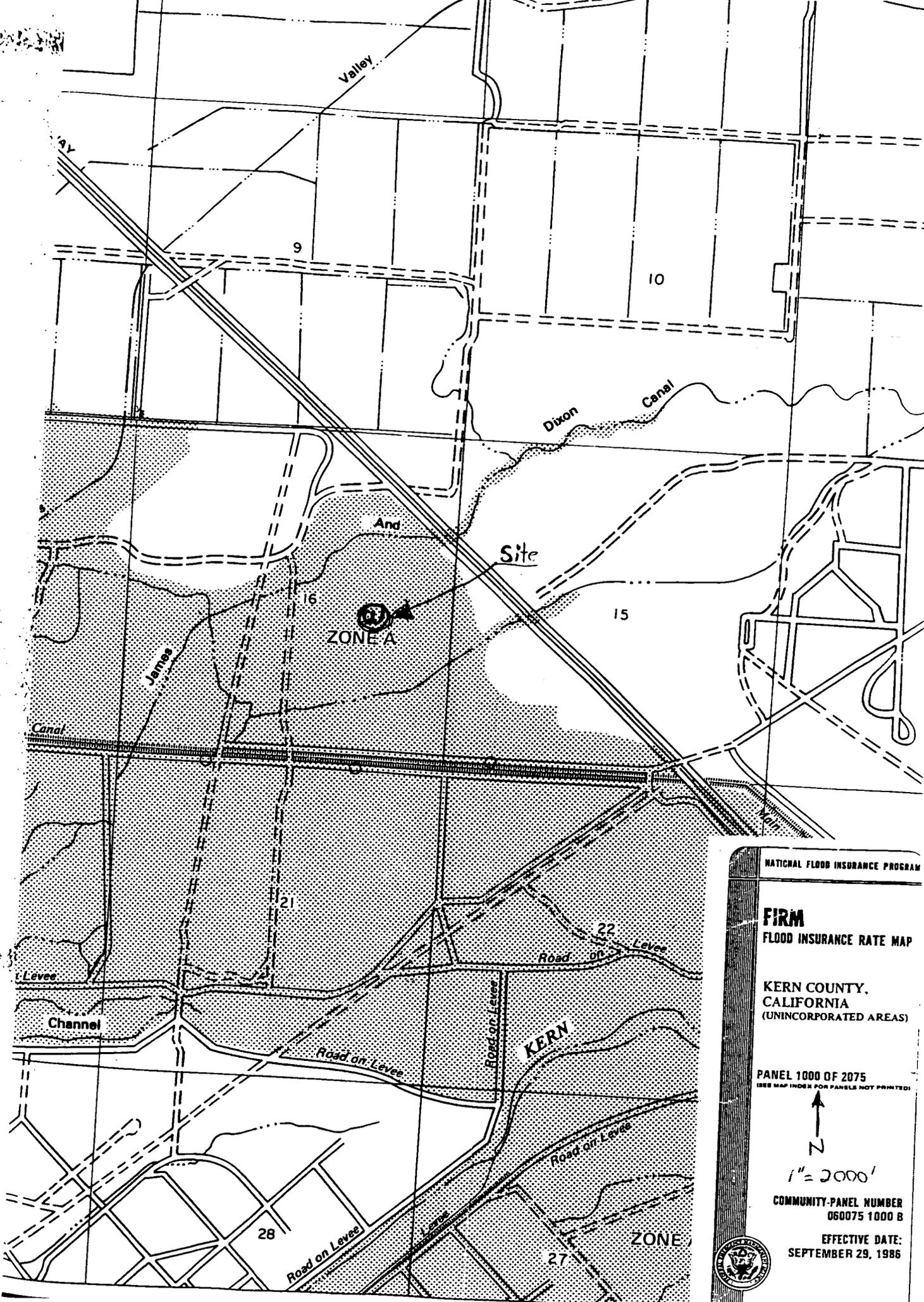
ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)



1" = 2000'

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 2

Owner's Well No. 30/25 16J01 No. _____
Date Work Began 11/6/2000, Ended 11/26/2000
Local Permit Agency KERN COUNTY ENVR HEALTH DEPT.
Permit No. EH-595 Permit Date 10/24/2000

GEOLOGIC LOG

ORIENTATION (✓) VERTICAL HORIZONTAL ANGLE _____ (SPECIFY)
DRILLING METHOD REVERSE FLUID BENTONITE

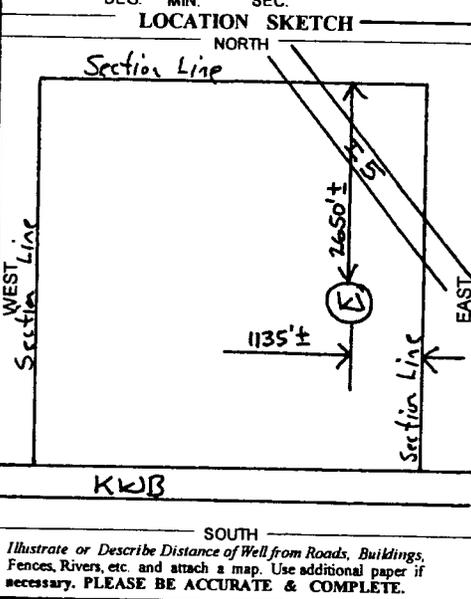
DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain, size, color, etc.</i>
Ft.	to Ft.	
0	50	CLAY AND SAND
50	140	SAND
140	150	SAND AND CLAY
150	160	CLAY
160	180	CLAY AND SAND
180	190	SAND
190	210	FINE SAND
210	250	CLAY
250	260	COARSE SAND
260	270	COARSE SAND AND CLAY
270	290	CLAY
290	300	SAND
300	320	CLAY, SAND AND GRAVEL
320	360	CLAY
360	380	SAND
380	390	CLAY AND SAND
390	600	CLAY
600	610	SAND
610	820	CLAY

WELL OWNER

Name Kern Water Bank Authority
Mailing Address P.O. Box 80607
Bakersfield CA 93380
CITY STATE ZIP

WELL LOCATION

Address NONE
City CA
County KERN
APN Book 160 Page 080 Parcel 01
Township 30 S Range 25 E Section 16 SE NE NW
Latitude _____



DEG. MIN. SEC. DEG. MIN. SEC.

ACTIVITY (✓)

NEW WELL
MODIFICATION/REPAIR
 Deepen
 Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
 Domestic Public
 Irrigation Industrial

MONITORING
TEST WELL
CATHODIC PROTECTION
HEAT EXCHANGE
DIRECT PUSH
INJECTION
VAPOR EXTRACTION
SPARGING
REMEDATION
OTHER (SPECIFY) _____

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 40 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 50 (Ft.) & DATE MEASURED _____
ESTIMATED YIELD _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 820 (Feet)
TOTAL DEPTH OF COMPLETED WELL 800 (Feet)

DEPTH FROM SURFACE FL to Ft.	BORE-HOLE DIA. (Inches)	CASING (S)								
		TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
BLANK	SCREEN	CON-DUCTOR	FILL PIPE							
0	40	48					STEEL	35.50	0.250	
0	165	30	✓				STEEL	19.25	0.375	
165	326	30		✓			STEEL	19.25	0.375	0.080
326	356	30	✓				STEEL	19.25	0.375	
356	517	30		✓			STEEL	19.25	0.375	0.080
517	537	30	✓				STEEL	19.25	0.375	

DEPTH FROM SURFACE FL to Ft.	ANNULAR MATERIAL TYPE			
	CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	40	✓		
0	135	✓		
135	140			FINE SAND
140	820			GRAVEL

ATTACHMENTS (✓)

Geologic Log
 Well Construction Diagram
 Geophysical Log(s)
 Soil/Water Chemical Analysis
 Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FARM PUMP & IRRIGATION
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
P.O. Box 1477 Shafter CA 93263
ADDRESS CITY STATE ZIP
Signed _____ DATE SIGNED 10/14/01 602148
WELL DRILLER/AUTHORIZED REPRESENTATIVE C-57 LICENSE NUMBER

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 2 of 2

Owner's Well No. 30/25 16J01 No.

Date Work Began 11/6/2000, Ended 11/26/2000

Local Permit Agency KERN COUNTY ENVR. HEALTH DEPT.

Permit No. EH-595 Permit Date 10/24/2000

GEOLOGIC LOG

WELL OWNER

ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)		DRILLING METHOD <u>REVERSE</u>	FLUID <u>BENTONITE</u>
DEPTH FROM SURFACE		DESCRIPTION	
Fl.	to Fl.	Describe material, grain, size, color, etc.	
0	50	CLAY AND SAND	
50	140	SAND	
140	150	SAND AND CLAY	
150	160	CLAY	
160	180	CLAY AND SAND	
180	190	SAND	
190	210	FINE SAND	
210	250	CLAY	
250	260	COARSE SAND	
260	270	COARSE SAND AND CLAY	
270	290	CLAY	
290	300	SAND	
300	320	CLAY, SAND AND GRAVEL	
320	360	CLAY	
360	380	SAND	
380	390	CLAY AND SAND	
390	600	CLAY	
600	610	SAND	
610	820	CLAY	

Name Kern Water Bank Authority

Mailing Address P.O. Box 80607

Bakersfield CA 93380

CITY STATE ZIP

Address NONE WELL LOCATION

City CA

County KERN

APN Book 160 Page 080 Parcel 01

Township 30 S Range 25 E Section 16 SE NE NW

Latitude _____

DEG. MIN. SEC. LOCATION SKETCH NORTH

DEG. MIN. SEC. ACTIVITY (✓)

NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY

Domestic Public

Irrigation Industrial

MONITORING

TEST WELL

CATHODIC PROTECTION

HEAT EXCHANGE

DIRECT PUSH

INJECTION

VAPOR EXTRACTION

SPARGING

REMEDATION

OTHER (SPECIFY) _____

WEST EAST SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

TOTAL DEPTH OF BORING 820 (Feet)

TOTAL DEPTH OF COMPLETED WELL 800 (Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 40 (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 50 (Ft.) & DATE MEASURED _____

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)

May not be representative of a well's long-term yield.

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)						ANNULAR MATERIAL							
		TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE					
FL to Ft.		BLANK	SCREEN	CON-DUCTOR	FILL PIPE									FL to Ft.	CE-MENT (✓)
537	608	30	✓			STEEL	19.25	0.375	0.080	0	40	✓			
608	638	30	✓			STEEL	19.25	0.375		0	135	✓			
638	789	30	✓			STEEL	19.25	0.375	0.080	135	140				FINE SAND
789	800	30	✓			STEEL	19.25	0.375		140	820				GRAVEL

- ATTACHMENTS (✓)**
- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analysis
 - Other _____
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FARM PUMP & IRRIGATION

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

P.O. Box 1477 Shafter CA 93263

ADDRESS CITY STATE ZIP

Signed [Signature] DATE SIGNED 10/14/01 C-57 LICENSE NUMBER 602148

WELL DRILLER/AUTHORIZED REPRESENTATIVE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-080-01, T30S, R25E, Section 16-M has been received and reviewed.

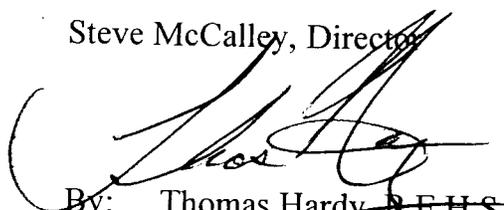
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director


By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-481

Hardy\Water\KWB-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakerfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-481

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-31-00 PROPOSED START DATE 6-7-00

OWNER: KERN WATER BANK AUTHORITY Phone: 399-8738

Mailing Address: Box 80607 City: BAKERFIELD Zip: 93380

DRILLING CONTRACTOR KUUBA Contractor's License 602112 Phone: 399-8738

Address: Box 80607 City: BAKERFIELD Zip: 93380

SUBCONTRACTOR: Drilling Consultant: Farm Pump Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: T 30 S R 25 E Sec. 16 40 Acre Sub M

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 080 01004

SITE ADDRESS if available: _____ TOTAL ACRES: 623.

DIRECTIONS to Well Site: ENDS LANE 3 1/2 MI. SOUTH OF STOCKDALE HILL
WEST ON NORTH SIDE OF KUUBA CANAL

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 18"
Gauge/Wall 5/16
Conductor Depth 50 + -

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 900 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150 + -
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the **Planning Department** for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the **Environmental Health Services Department** at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Wile Hy H Date 5-31-00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u></p> <p>Receipt # <u>5033</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>34703</u>)</p> <p>Fee received by: <u>Michelle Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

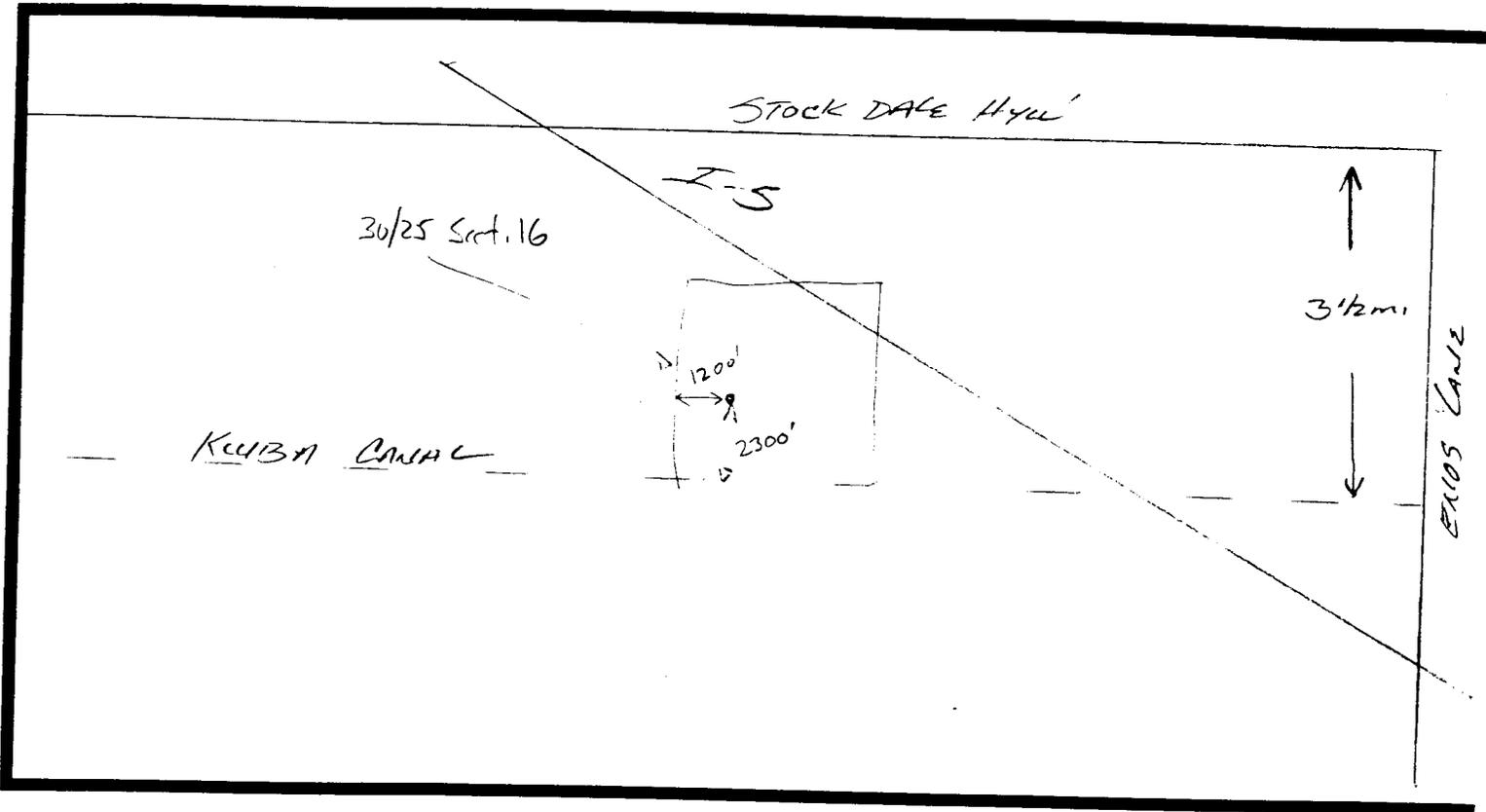
REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

*Elevate casing 2" above grade per Flood review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.

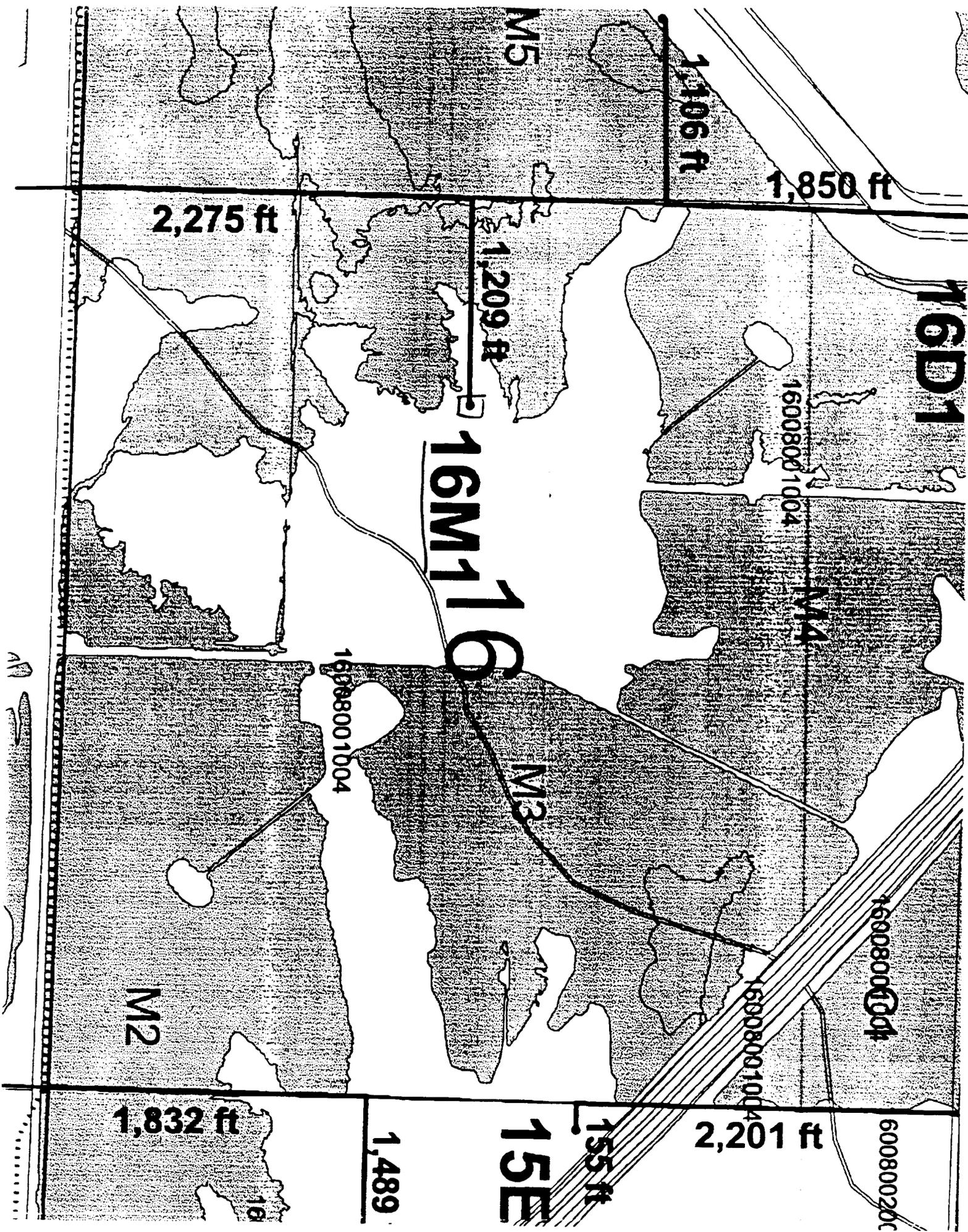


- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 16

D	C	B	A
E	F	G	H
M ✓	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1



KERN COUNTY
DEPARTMENT OF ENGINEERING & SURVEY SERVICES

APPLICANTS COPY

FLOOD PROTECTION REQUIREMENTS
FOR A WELL

In response to a request dated 5.31.2000, a flood hazard evaluation was performed for:

Building Permit Number: _____

Applicant: KERN WATER BANK AUTHORITY

Assessor's Parcel Number: 160-080-01

Street Address: 2 1/2 MI. S/O STOCKDALE HWY; 1/4 MI. E/O BUSSEL RD.

Section Township/Range: SEC 16, T. 30 S., R. 25 E.

Date completed: JUNE 9, 2000 File: 141.1.121.16.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and ^{NO} fee ~~of \$150.00~~ is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0 ~~feet~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: Bara Tullt

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000, effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____, effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from KERN RIVER and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 ~~feet~~ feet NGVD
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

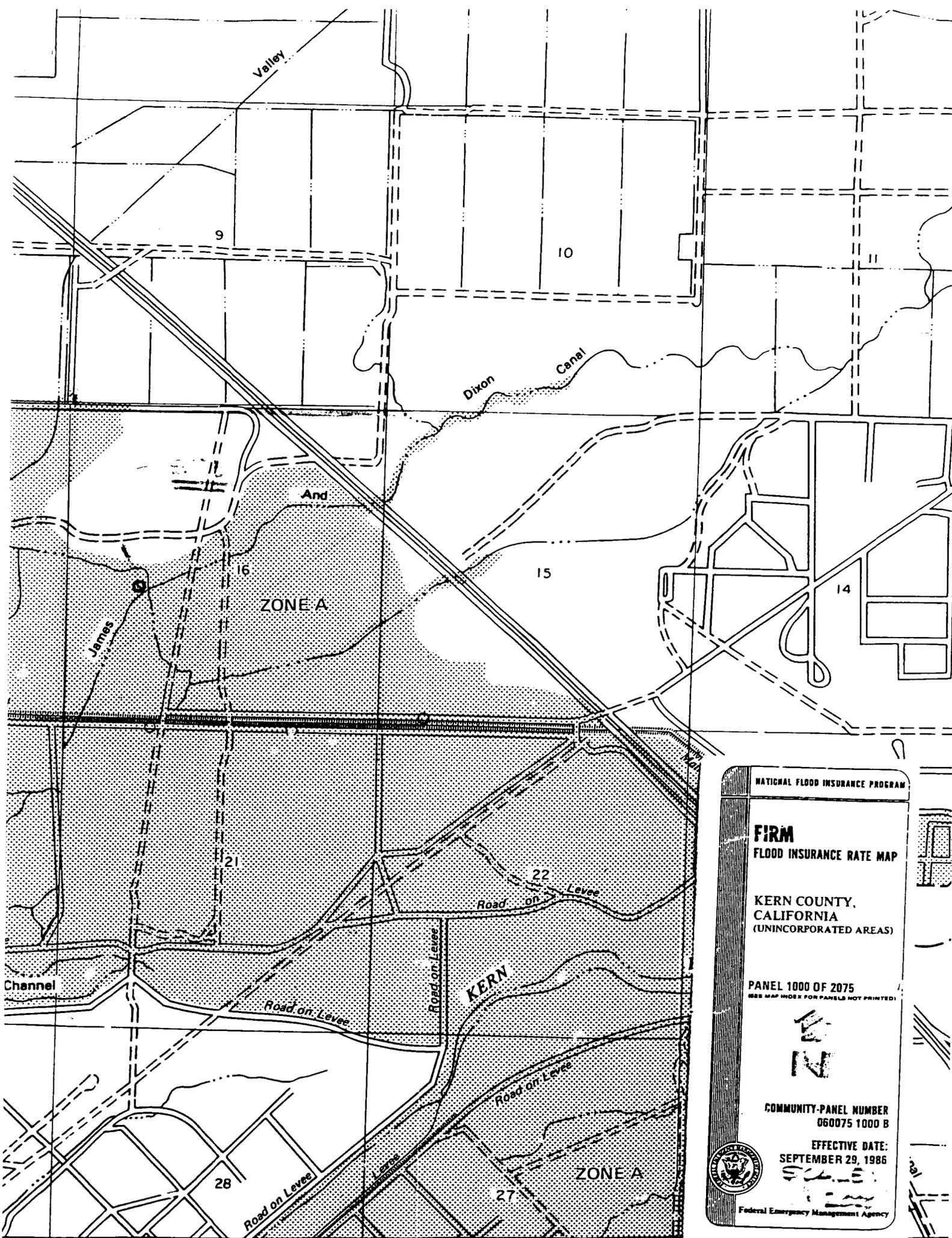
ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
SEE MAP INDEX FOR PANELS NOT PRINTED

1000

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986

S. E. ...

Federal Emergency Management Agency

121-16-3

116P01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DILLING COMPANY
NAME AND ADDRESS

Johnson Drilling Co.
PO Box 1853 Calif

295856
LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN

AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

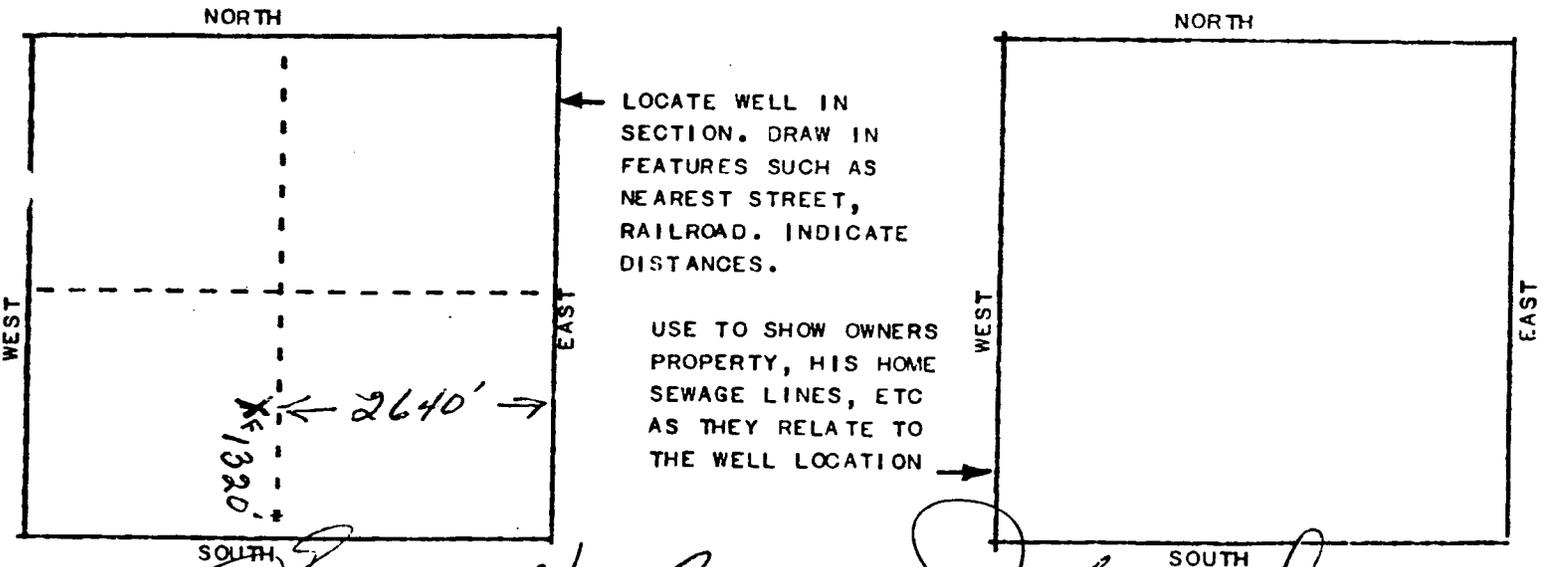
ON PROPERTY OWNED BY *Tennessee West Co.*

WHOSE MAILING ADDRESS IS *Bakersfield*

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

SE 1/4 Sec 16 T 308 R 25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: *[Signature]* AS AGENT FOR *Johnson Drilling Co.*
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY: *[Signature]* "A"
KERN COUNTY PLANNING COMMISSION
DATE: *3-31-76*

HEALTH DEPT. - REMARKS: _____

BY: _____

DATE: _____

PERMIT NO. _____

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

Lyle R. Williams 22 1422
PO Box 766 Wasco Ca 93280 LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , Reverse Circ. TYPE WELL, FOR THE PURPOSE OF AN

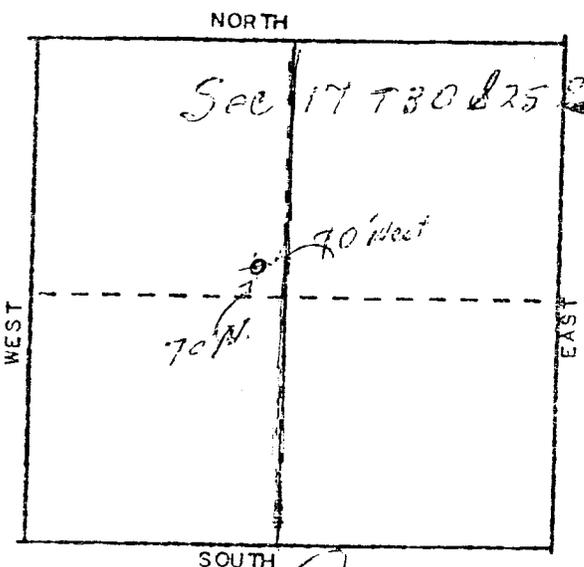
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY Tenneco West Inc

WHOSE MAILING ADDRESS IS PO Box 380 Bakersfield Ca 93302

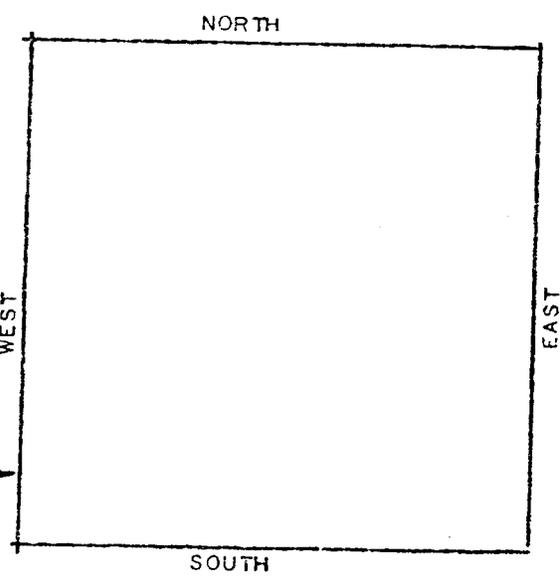
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
SE Cor of NW 1/4 Sec 17 T 30 S 25 R.

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: Lyle R. Williams AS AGENT FOR Tenneco West Inc
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED X APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY [Signature] A
KERN COUNTY PLANNING COMMISSION
DATE: 6-4-73

HEALTH DEPT. - REMARKS:

BY:

DATE:

PERMIT NO.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct a domestic well located on APN 160-090-03, T30S, R25E, Section 17-H, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-482

Hardy\Water\KernWater-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-482

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-21-00 PROPOSED START DATE 6-7-00
OWNER: KERN WATER BANK AUTHORITY Phone: 399-8738
Mailing Address: Box 80607 City BAKERSFIELD Zip: 93380
DRILLING CONTRACTOR KWIBA Contractor's License 602118 Phone: 399-8758
Address: Box 80607 City: BAKERSFIELD Zip: 95380
SUBCONTRACTOR: DRILLING CONSULTANT : FARM PUMP Phone: _____
Address: _____ City: _____ Zip: _____

JOB SITE: T 305 R 25E Sec. 17 40 Acre Sub H
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 090 03003
SITE ADDRESS if available: _____ TOTAL ACRES: 1001
DIRECTIONS to Well Site: ENDS LANE 3/4 m. SOUTH OF STOCKDALE HWY
WEST ON NORTH SIDE OF KWIBA CANAL

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:

- Domestic/private (1 connection)
- Domestic/nonpublic (2-4 connections)
- Domestic/public (5 or more conn.)
- Agricultural
- Test Hole
- Monitoring
- Cathodic Protection
- Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
- Rotary
- Air Rotary
- Other _____

PROPOSED CASING:

Type STEEL
Diameter 18"
Gauge/Wall 5/16
Conductor Depth 50'+

SEALING MATERIAL (check one)

- Neat Cement
- Cement Grout
- Concrete
- Other _____

GRAVEL PACK: (check one)

- Yes No
- From 900 To 200 Feet

PROPOSED WELL
CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS
OR SCREEN:

From 900 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 150'+
Hardrock _____

PENETRATES TWO OR MORE
AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____

DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Michelle Salinas Date 5-21-00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u></p> <p>Receipt # <u>5033</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>34703</u>)</p> <p>Fee received by: <u>Michelle Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

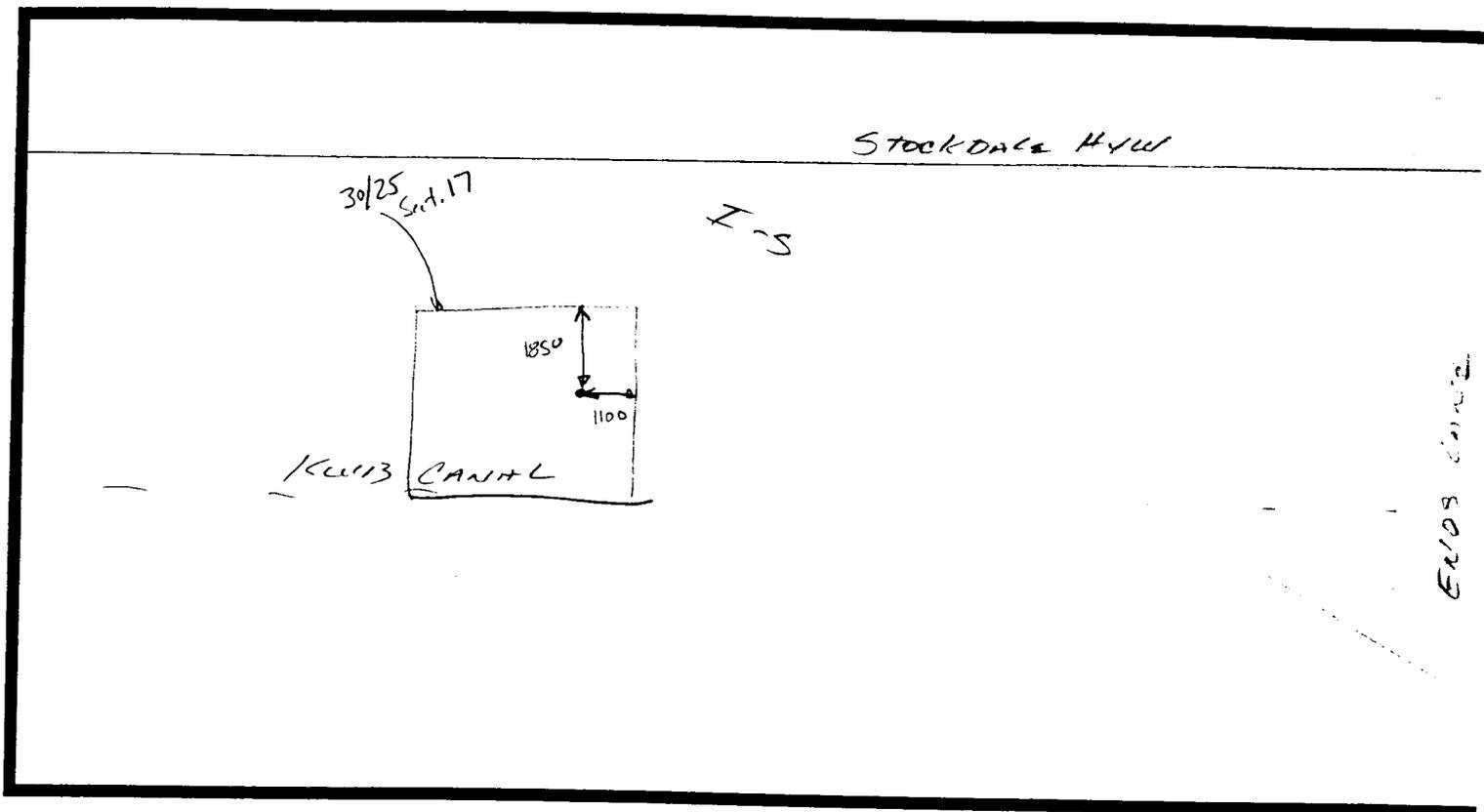
* Elevate casing 2' above grade per Flood review

[Signature]

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

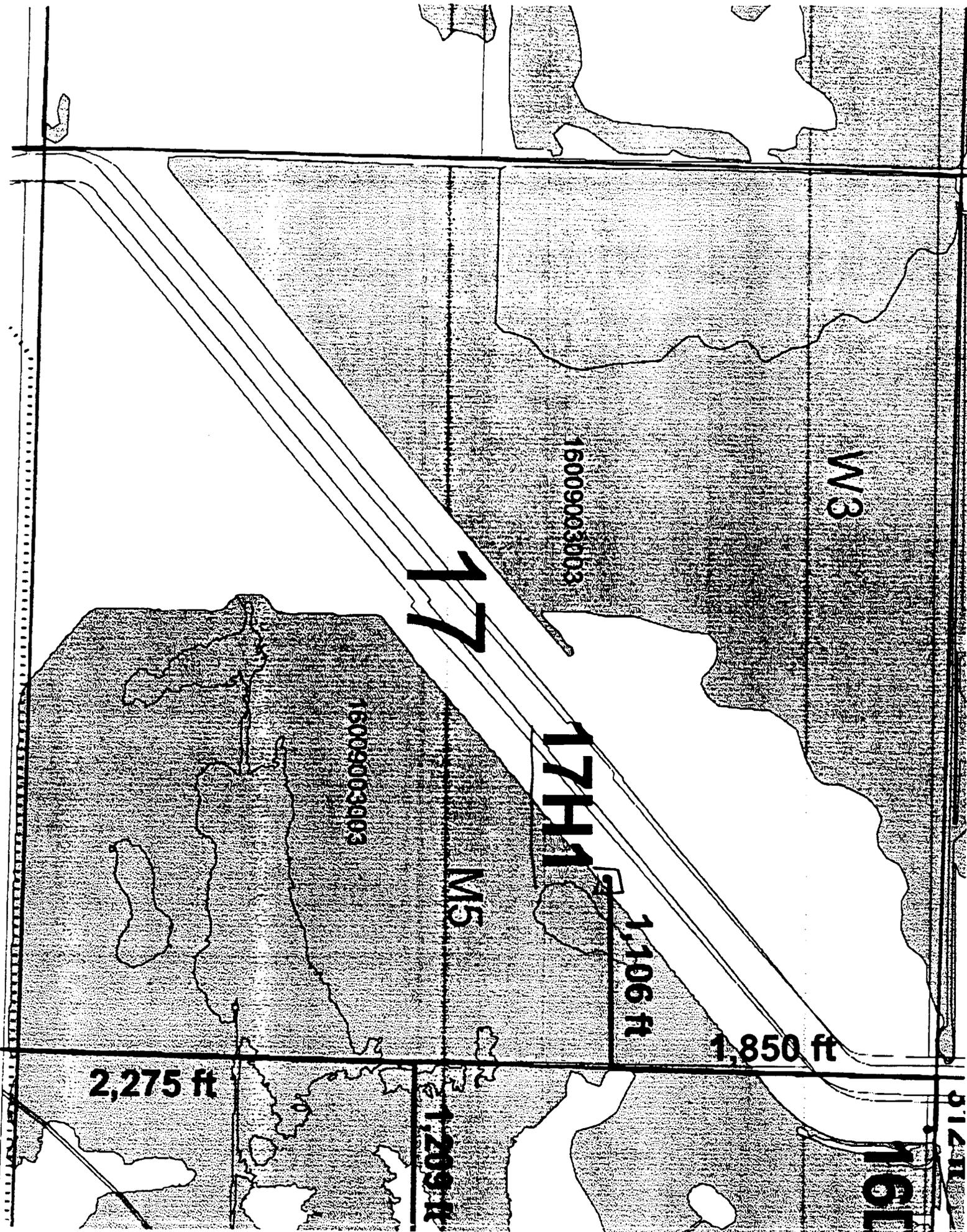
- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 17

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R



KERN COUNTY
DEPARTMENT OF ENGINEERING & SURVEY SERVICES

APPLICANTS COPY

FLOOD PROTECTION REQUIREMENTS
FOR A WELL

In response to a request dated 5.31.2000, a flood hazard evaluation was performed for:

Building Permit Number: _____

Applicant: KERN WATER BANK AUTHORITY

Assessor's Parcel Number: 160-090-03

Street Address: 2 1/2 MI. S/O STOCKDALE HWY.; 3/4 MI E/O BUSSEL RD.

Section Township/Range: SEC. 17, T. 30 S., R. 25 E.

Date completed: JUNE 9, 2000 File: 141.1.121.17.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and ^{NO} fee ~~is~~ required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0 ~~1.0~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B, effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____, effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from KERN RIVER and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 0.5 ~~feet~~ feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

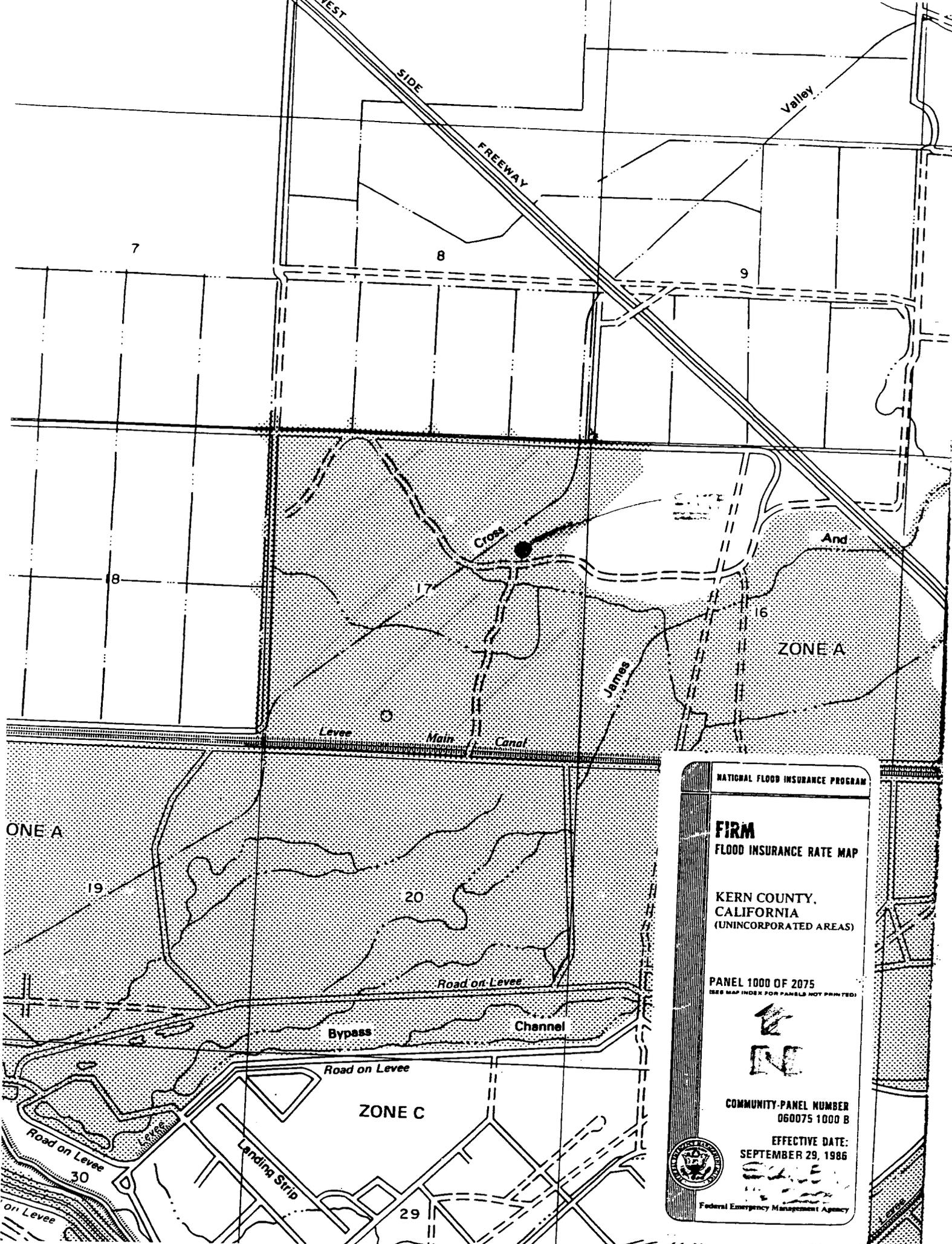
ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
SEE MAP INDEX FOR PANELS NOT PRINTED



COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

September 13, 2000

SEP 15 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct two (2) agricultural wells located on APN 160-090-03, T30S, R25E, Section 17-M & J, have been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Steve McCalley", written over a circular stamp.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-543 & 544

Hardy\Water\KWBA-2-w23b

Kern County
Environmental Health Services Department
2770 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-544

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 8/24/00 PROPOSED START DATE 09/07/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR: DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 17 40 Acre Sub J
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-090-03
SITE ADDRESS if available: N/A TOTAL ACRES: 640± (607)
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go West on north side of KWBA canal.

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Herb Simmons Date 8/24/00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>8/24/00</u></p> <p>Receipt # <u>83109</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#35791)</p> <p>Fee received by: <u>JM-SULLINS</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>8/24/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

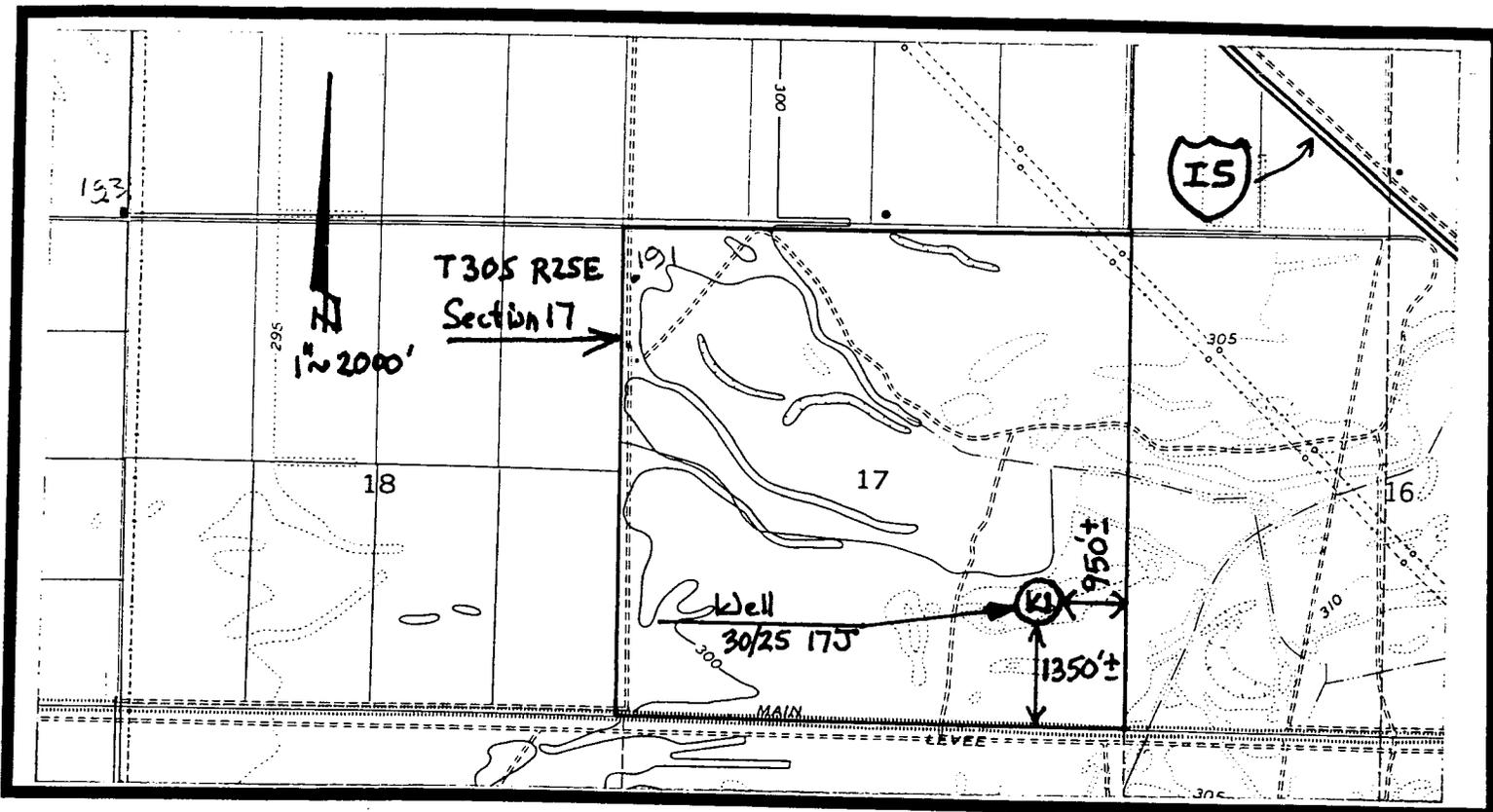
REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

* Casing is to be elevated 2' above grade per flood review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 17

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Well

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

September 13, 2000

SEP 15 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct two (2) agricultural wells located on APN 160-090-03, T30S, R25E, Section 17-M & J, have been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permits are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-543 & 544

Hardy\Water\KWBA-2-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-543

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 8/24/06 PROPOSED START DATE 09/07/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0600
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 17 40 Acre Sub M
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-090-03
SITE ADDRESS if available: N/A TOTAL ACRES: 640± 100
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go West on north side of KWBA Canal.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hal Jimenez Date 8/24/00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>8/24/00</u></p> <p>Receipt # <u>83109</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#35191)</p> <p>Fee received by: <u>Michelle Salina</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>8/24/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

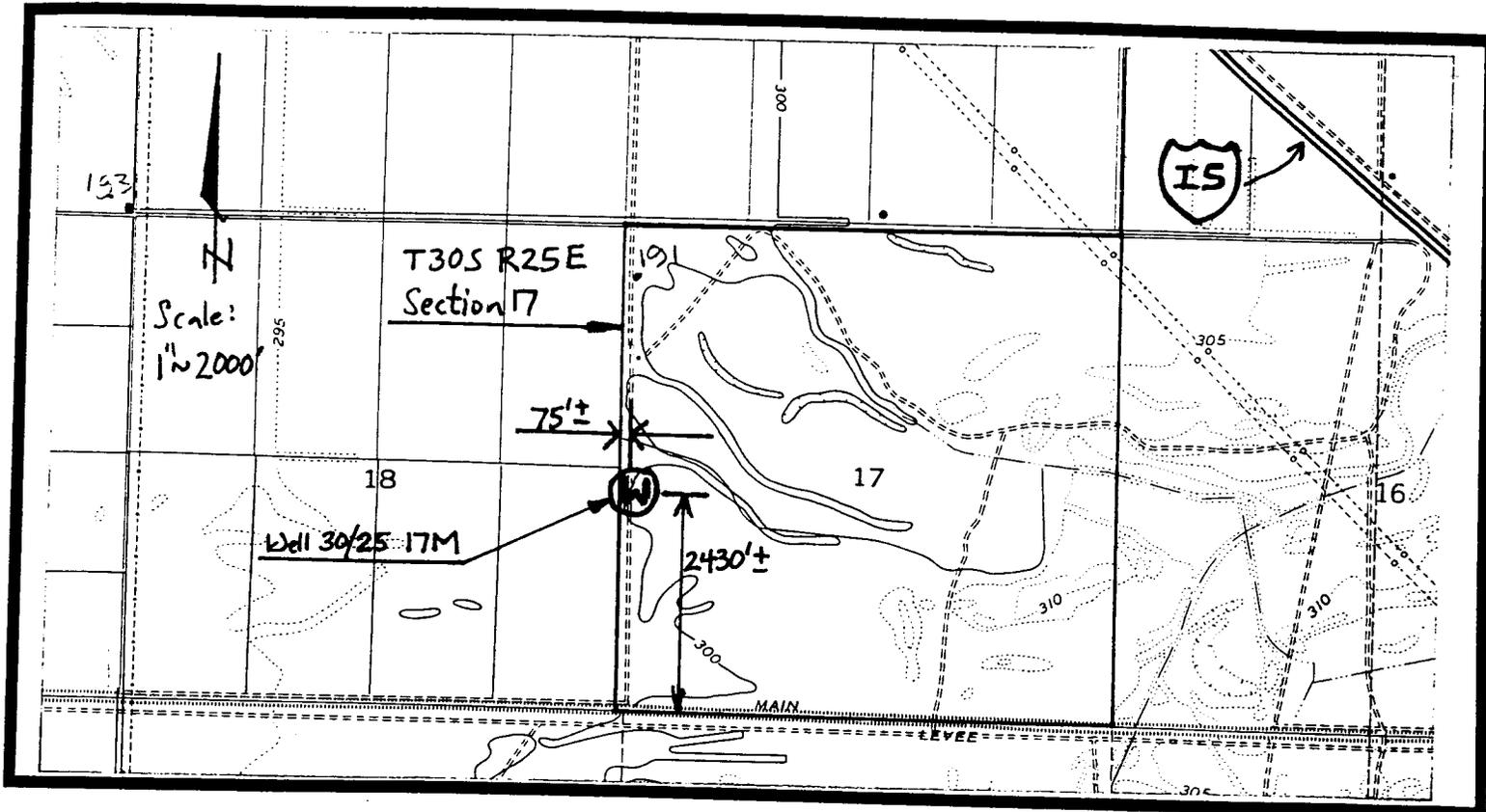
REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

* Casing is to be elevated 2' above grade per flood review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 17

D	C	B	A
E	F	G	H
Well M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 12, 2000

Kern Water Bank
P. O. Box 80607
Bakersfield, CA 93380-0607



Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-090-03, T30S, R25E, Section 17-P, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-398

Hardy\Water\KWaterBank-w23b

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701



Permit # EH-398

APPLICATION FOR PERMIT TO CONSTRUCT, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-17-00 PROPOSED START DATE: 3-22-00

OWNER: KERN WATER BANK AUTHORITY Phone: 661 399 8135

Address: Box 80607 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR: F.P.I. Phone: 661-589-6901

Address: Box 1477 City: SHAFTER Zip: 93267

SUBCONTRACTOR: Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: WELL 17P T 30S R 25E Sec. 17 40 Acre Sub. P

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-090-03

SITE ADDRESS if available : _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENDS LANE 3/4 MI. SOUTH OF STICKDALE
HWY WEST ON NORTH SIDE OF CANAL 3/4 MI.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL: (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
 From 800 To 300 Feet

PROPOSED CASING:
 Type STEEL
 Diameter 18
 Depth 800 +/-
 Conductor Depth 70-100
 Gauge/Wall 5/16

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 800 Feet
 Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 790' To 320' Feet
 From _____ To _____ Feet

WELL CONSTRUCTION OR DESTRUCTION

PROPOSED SEALS/PLUGS:

Annular 300'
 Other _____

PENETRATES TWO OR MORE AQUIFERS

Yes No

PROPOSED WELL DESTRUCTION

Well Depth _____ ft

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access and flood plain clearances prior to approval of the Environmental Health Services Dept. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features are required before the well is put into use.
8. Construction under this Permit is subject to any instructions by Department representatives.
9. Any misrepresentation or non-compliance with required Permit Conditions, or regulations, will result in issuance of a "Stop Work Order".
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility of all activities and uses under this Permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this Permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to insure compliance with the pertinent regulations.

Owner's Signature Herb Simon Date 3/17/00 Drilling Contractor F.P.I. Mike Hillman Date 3-17-00

INTERNAL USE ONLY	
Permit Approved:	Total Fee: <u>335</u> Date Paid: <u>3-17-00</u>
Date:	Receipt # <u>2422</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check <u>129.333</u>
Expiration Date:	Fee Received by: <u>W. F. ...</u>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED</p> <p>BY: <u>F. Chmiel</u></p> <p>DATE: <u>3/17/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

Elevate casing 2' above prevailing ground level or 1' above perimeter of levee.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701

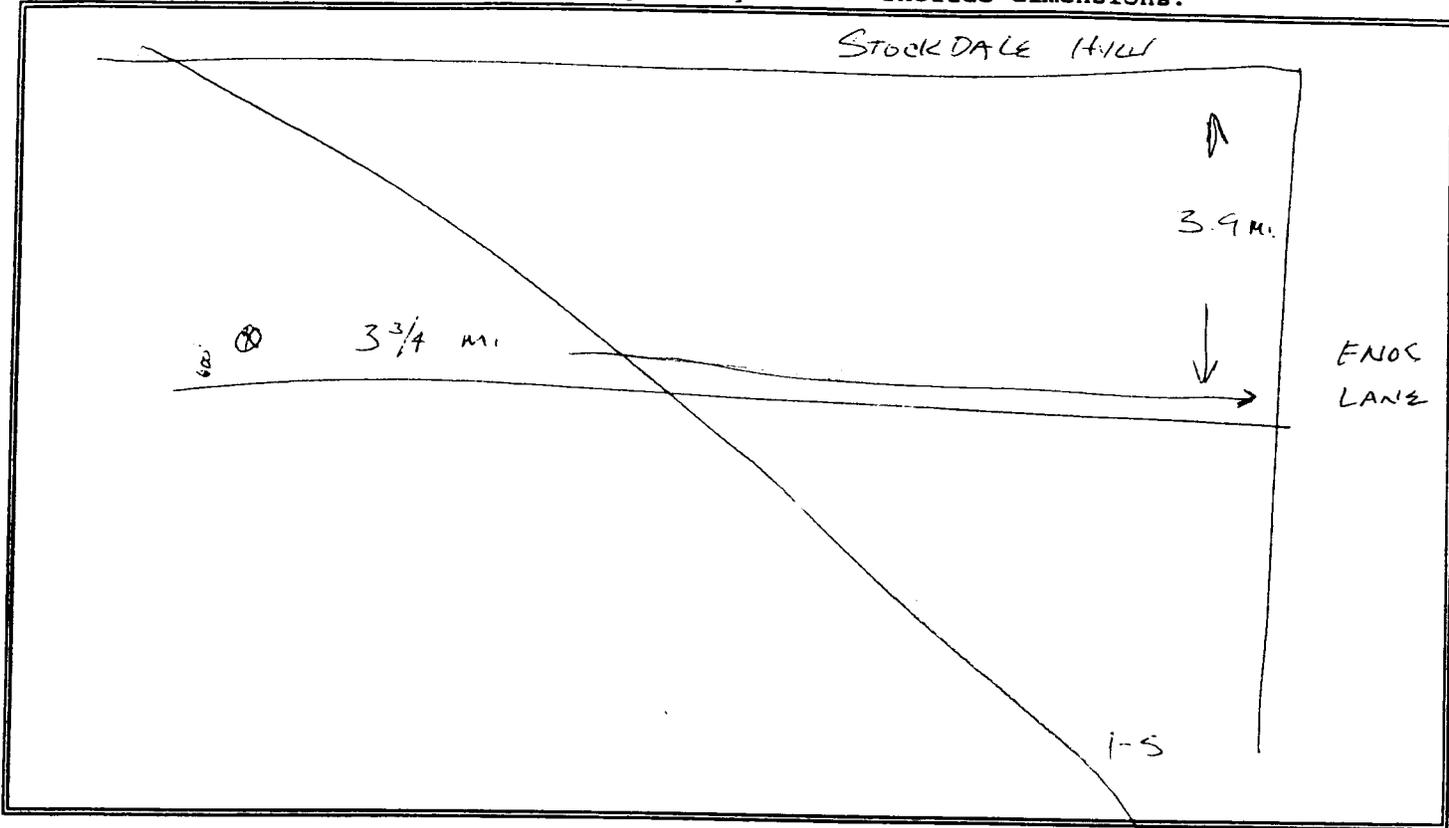
Parcel Map/Tract: _____

Parcel No.: _____

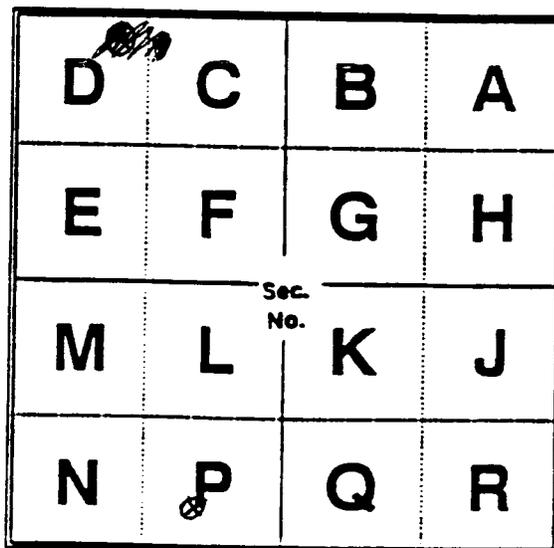
Assessor's Parcel No.: 160-090-

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES--Locate well by measuring from proposed site in relation to section lines or 1/2 section lines.



1- _____ One Mile _____ -1

17 30/25

APPLICANTS COPY
**FLOOD PROTECTION REQUIREMENTS
FOR A WELL**

In response to a request dated April 3, 2000, a flood hazard evaluation was performed for:

Building Permit Number: Well 17P

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 160-090-03

Street Address: _____

Section Township/Range: Sec 17, T. 30 S., R. 25 E.

Date completed: April 4, 2000 File: 141.1.121.17.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee *is not* required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:
 _____ foot/feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

Two ~~one~~ feet above the prevailing ground level (see note) at the location of the well site or one foot above the perimeter levee, whichever is higher.

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____ effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from the Kern River and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 10 feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

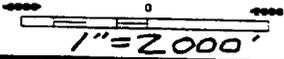
- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

to the FLOOD INSURANCE RATE MAP EFFECTIVE data on this map to determine when actuarial rates apply to zones in the zones where elevations or depths have been established.

determine if flood insurance is available in this community, see your insurance agent, or call the National Flood Insurance Program at (800) 638-6620.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

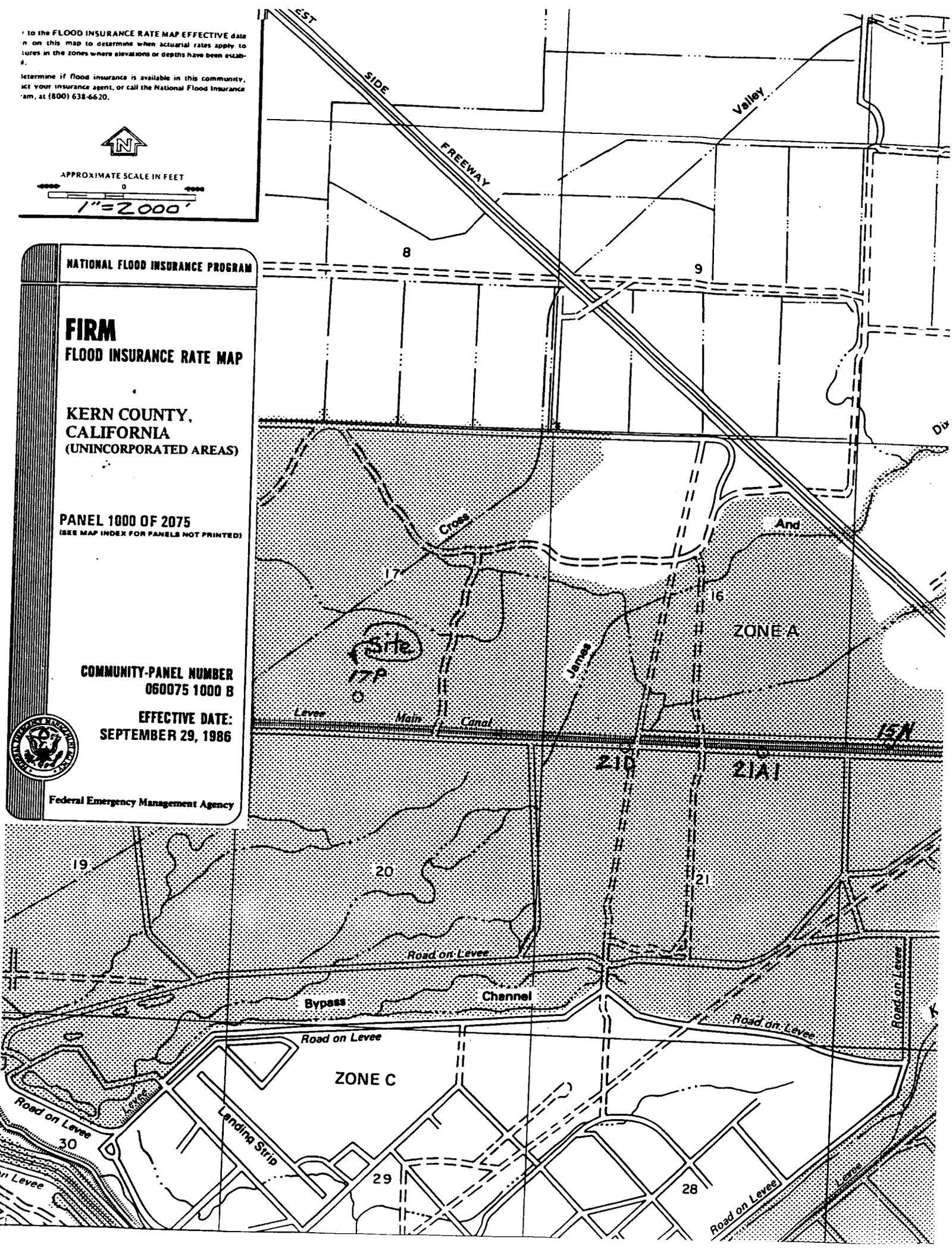
PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency



ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

August 29, 2000

SEP 01 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-090-02, T30S, R25E, Section 18-K, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, drilling consultant
File EH-534

Hardy\Water\KWBA-23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone: (661) 862-8700
FAX: (661) 862-8701



Permit # EH-53

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 8/24/00 PROPOSED START DATE 09/07/2000
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License 1 Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 18 40 Acre Sub K
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-090-02
SITE ADDRESS if available: N/A TOTAL ACRES: 320± 321
DIRECTIONS to Well Site: Take Enos Lane 3 miles south of Stockdale Hwy.
Go west on north side of KWBA canal.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Herb Simmons or Agency _____ Date 8/24/00

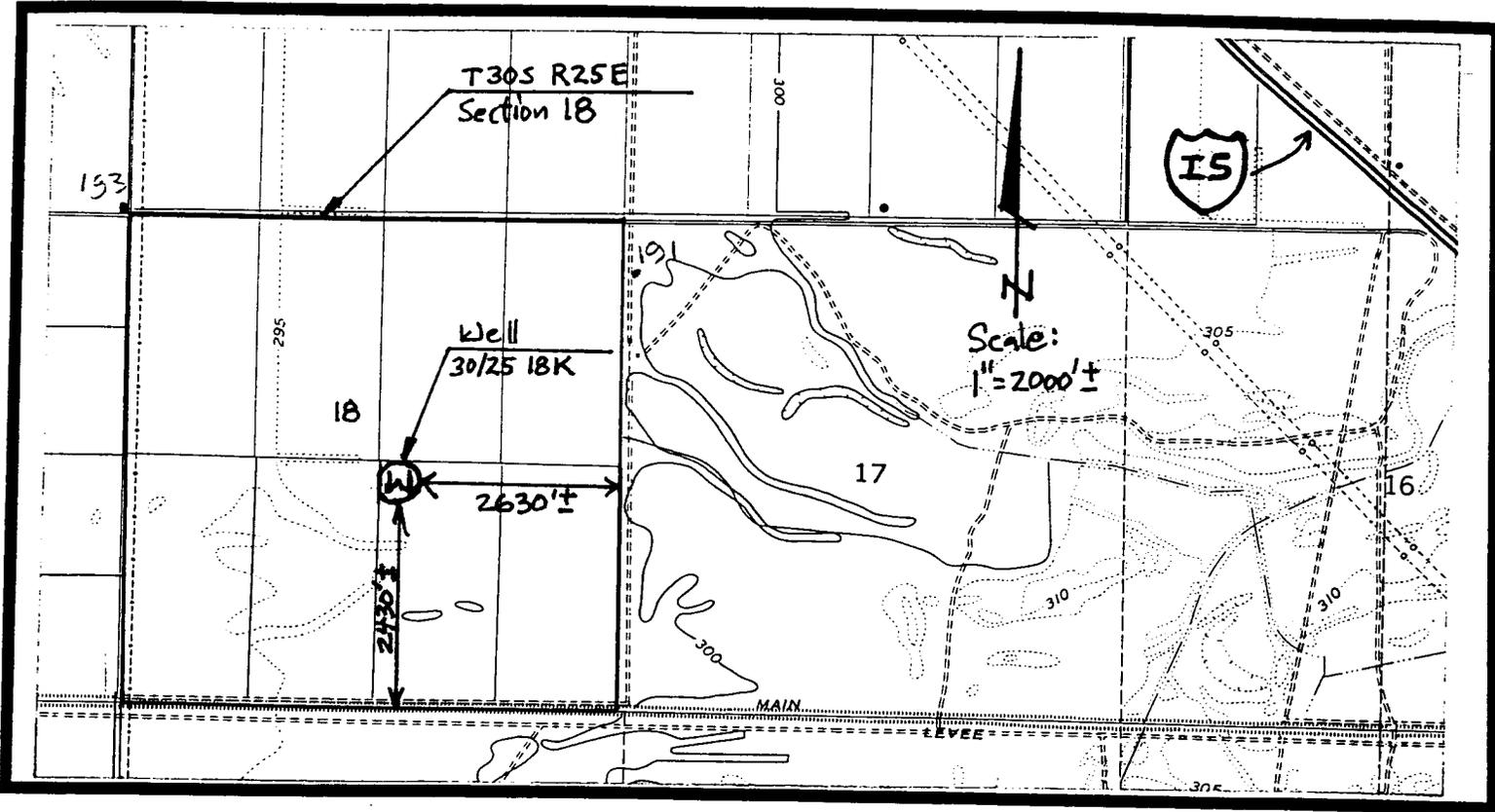
<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>325</u> Date Paid: <u>8/24/00</u></p> <p>Receipt # <u>0369</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>35191</u>)</p> <p>Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>By: <u>[Signature]</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>Date: <u>8/24/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 18

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Well

1- _____ One Mile _____ -1

121-20-02

20A01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS
(6D20-1)

K&D Drilling
2711 White Rd Apt 4 93307

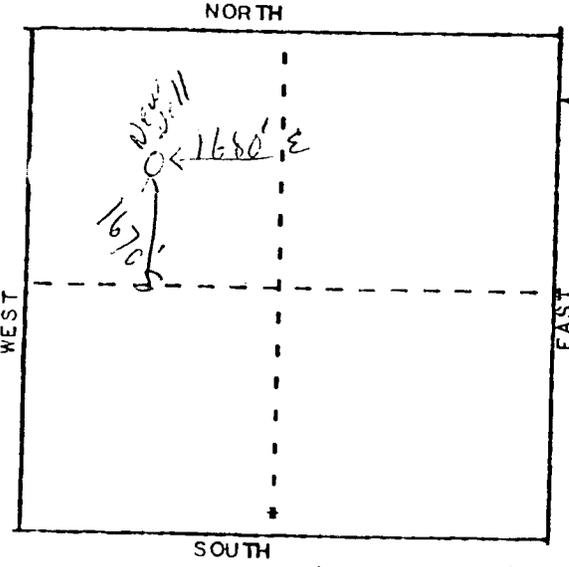
C57248763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY Tenneco West

WHOSE MAILING ADDRESS IS P.O. Box 380, Bakersfield 93302

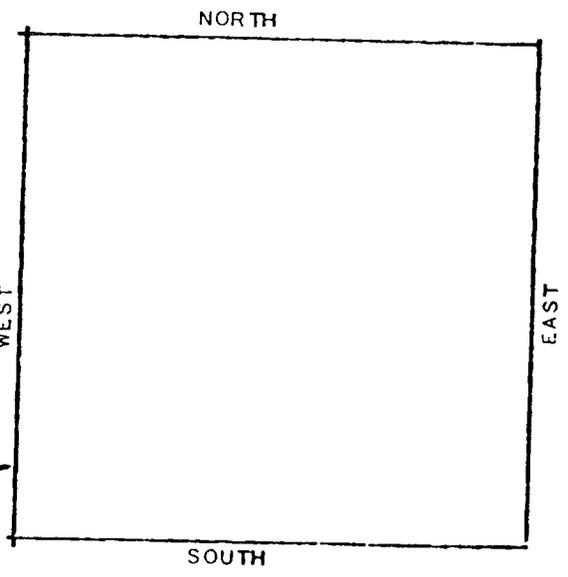
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1670' S. and 1680' E of N.W. Cor Sec 26
T.30 S R 25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: Walter D. Spink AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY Phillip Powell A
KERN COUNTY PLANNING COMMISSION
DATE: 4-7-76

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

121-17-04

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRI NG COMPANY
NAME AND ADDRESS

KED Drilling
62016 Wible Rd #64 - 93307

057288763
LICENSE NUMBER

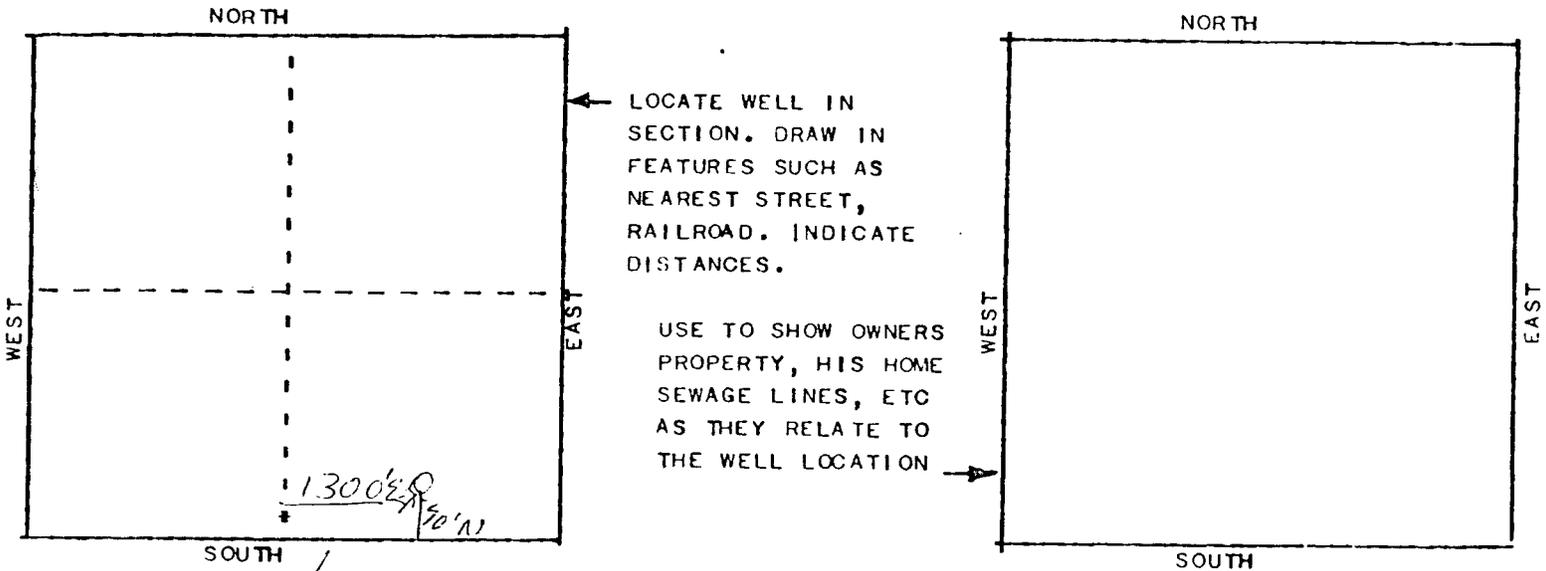
PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY TENNECO West

WHOSE MAILING ADDRESS IS P.O. Box 380, BAKERSFIELD 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

90' N and 1300' E of S/4 Cor. Sec. 17
T30 S R25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: [Signature] AS AGENT FOR KED Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY Phillip Powell 'A'
KERN COUNTY PLANNING COMMISSION
DATE: 4-7-76

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-100-09, T30S, R25E, Section 20-L, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-483

Hardy\Water\KernWBA-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-483

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-31-00 PROPOSED START DATE 6-7-00

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-5738

Mailing Address: Box 80607 City: BAKERSFIELD Zip: 93380

DRILLING CONTRACTOR: KLUBA Contractor's License: 602118 Phone: 399-8738

Address: Box 80607 City: BAKERSFIELD Zip: 93380

SUBCONTRACTOR: DRILLING CONSULTANTS - FARM PUMP Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: T 305 R 25E Sec. 20 40 Acre Sub L

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 100 09003

SITE ADDRESS if available: _____ TOTAL ACRES: 250

DIRECTIONS to Well Site: ENDS LANE 3/2 MI SOUTH OF STRICKLAND'S HILL
WEST ON NORTH SIDE OF KLUBA CANAL

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:
Type STEEL
Diameter 18"
Gauge/Wall 5/16
Conductor Depth 50'

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 100 To 200 Feet

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 900 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150'
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Michelle Salinas Date 5-31-0

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u></p> <p>Receipt # <u>5033</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>34703</u>)</p> <p>Fee received by: <u>Michelle Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

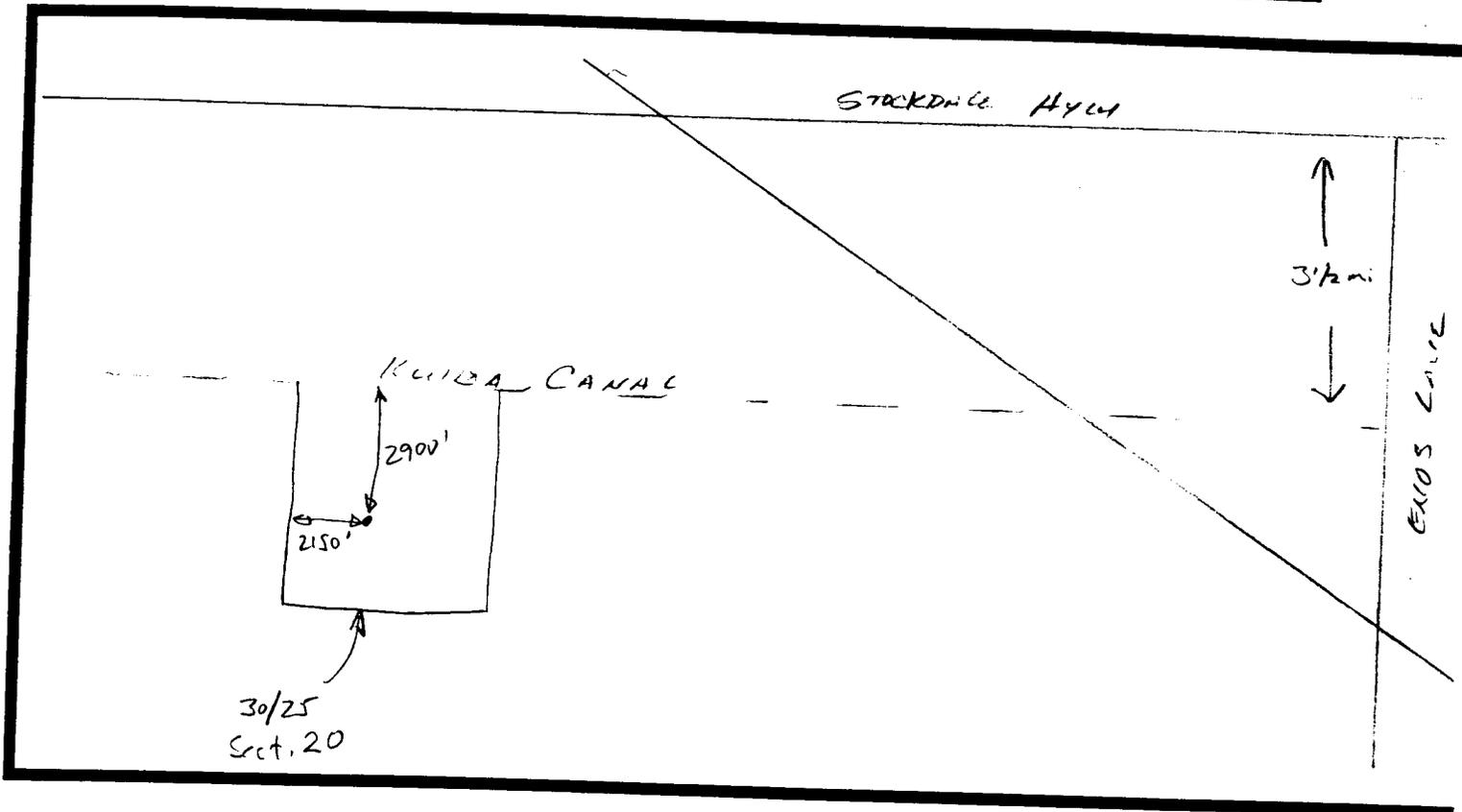
Elevate casing 2' above grade per flood review.

[Signature]

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



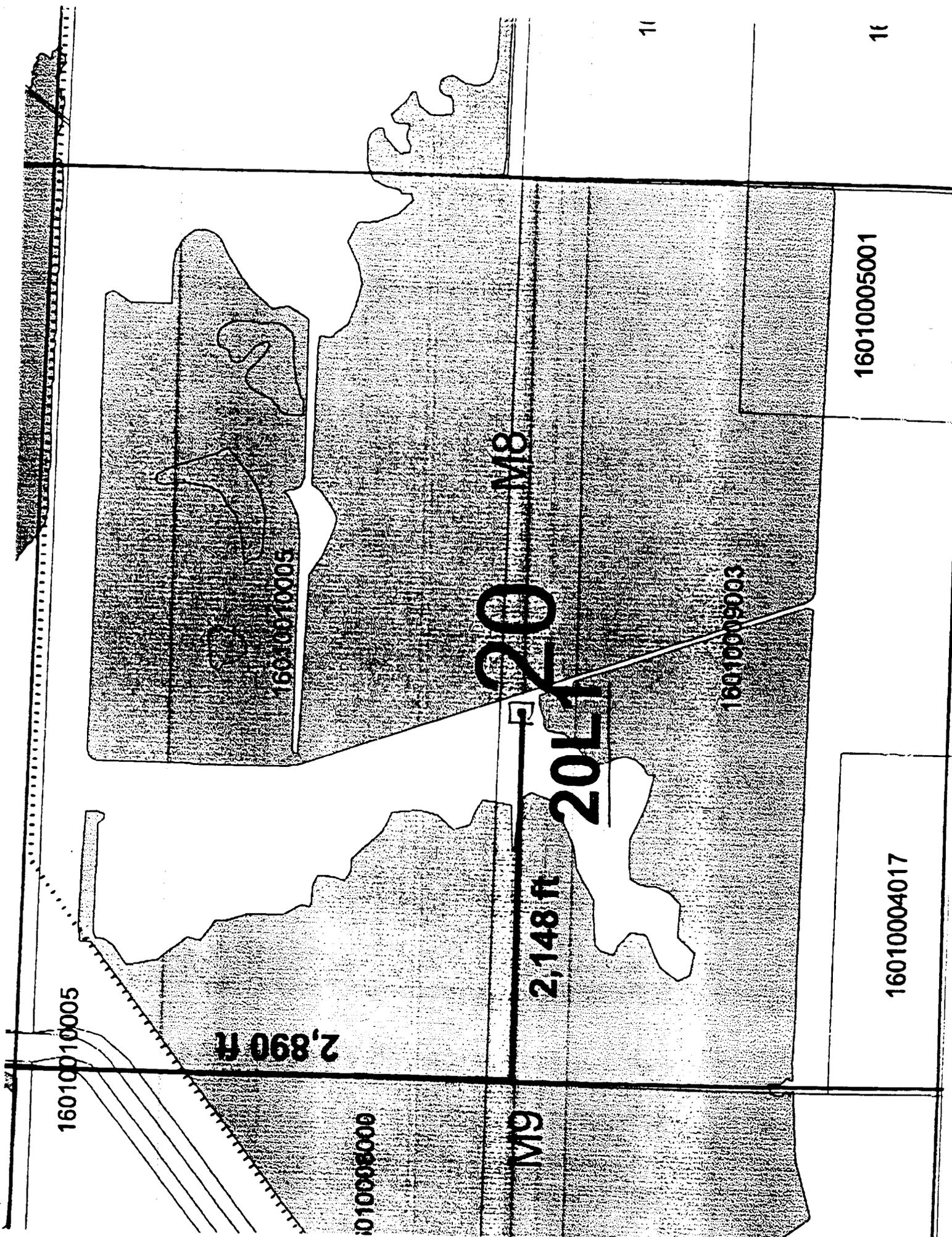
- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 20

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

X

1- _____ One Mile _____ -1



11

11

KERN COUNTY
DEPARTMENT OF ENGINEERING & SURVEY SERVICES

APPLICANTS COPY

FLOOD PROTECTION REQUIREMENTS
FOR A WELL

In response to a request dated 5.31.2000, a flood hazard evaluation was performed for:

Building Permit Number: _____

Applicant: KERN WATER BANK AUTHORITY

Assessor's Parcel Number: 160 - 100 - 09

Street Address: 3 1/2 MI. S/O STOCKDALE HWY.; 1/2 MI. E/O BUSEL RD.

Section Township/Range: SEC. 20, T. 30 S, R. 25 E.

Date completed: JUNE 9, 2000 File: 141.1.121.20.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and ^{No} fee ~~of \$1000.00~~ is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0 ~~1.0~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: Ryan Tull

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B, effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____, effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from KERN RIVER and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 ~~feet~~ feet NGVD
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

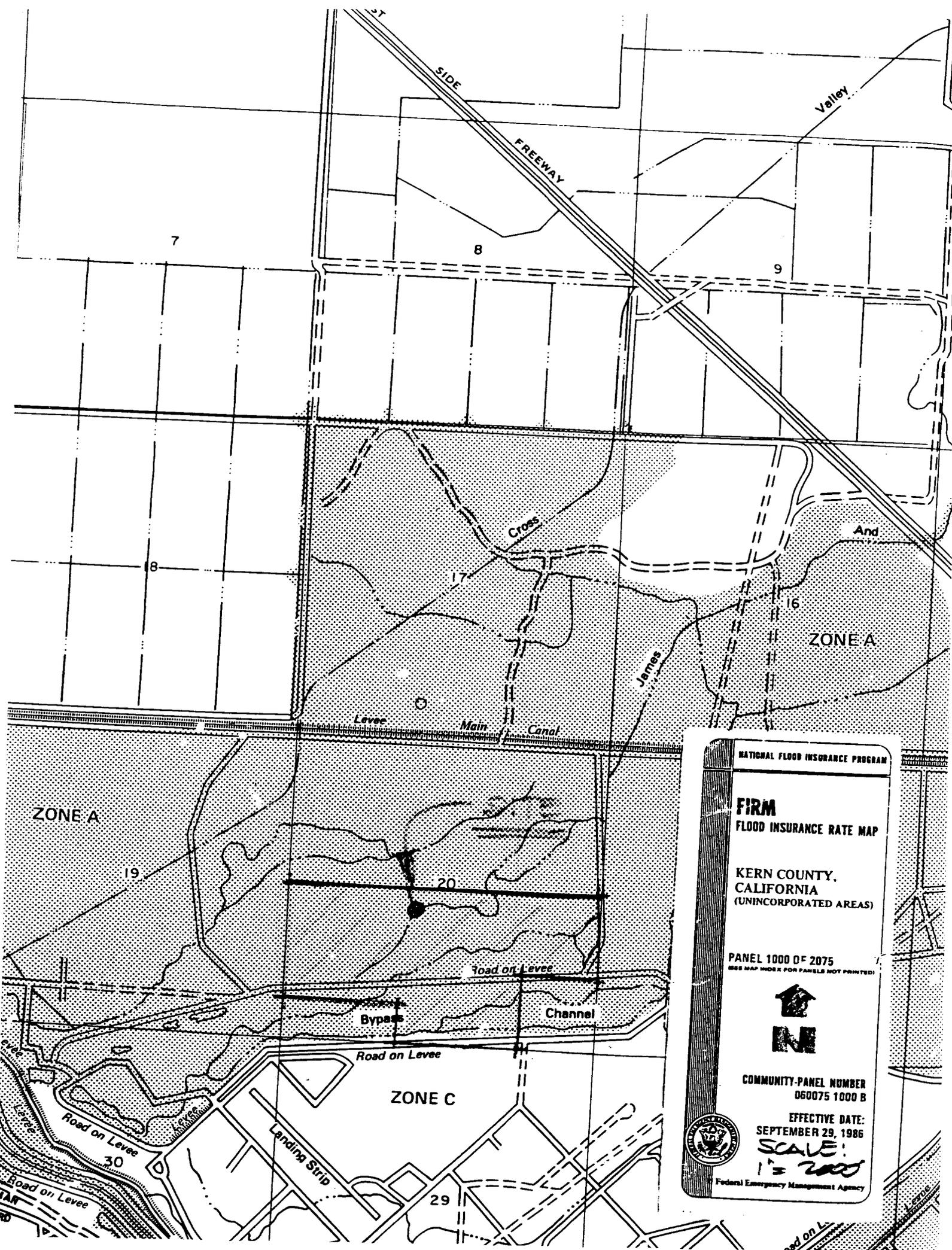
ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
SEE MAP WORK FOR PANELS NOT PRINTED



COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986

SCALE:
1" = 2000'

 Federal Emergency Management Agency

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



APR 17 2000

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 13, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-110-13, T30S, R25E, Section 21-A, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-401

KernWaterBank-EH401-w23b

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701



Permit # EH-401

APPLICATION FOR PERMIT TO CONSTRUCT, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-17-00 PROPOSED START DATE: 3-21-00

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8735

Address: Box 80607 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR: F.P.I. Phone: 661-589-6901

Address: Box 1477 City: SHAFTER Zip: 93263

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: Well 21A1 T 30S R 25 Sec. 21 40 Acre Sub. A

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-110-13

SITE ADDRESS if available: _____ TOTAL ACRES: 320

DIRECTIONS to Well Site: ENDS LANE 3.9 MILES SOUTH OF STOCKDALE
HILL WEST ON SOUTH SIDE OF CANAL 2 1/4 M.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE: Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD: Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL: (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
 From 800 To 300 Feet

PROPOSED CASING:
 Type STEEL
 Diameter 18"
 Depth 800 +/-
 Conductor Depth 70-100
 Gauge/Wall 5/16

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 800 Feet
 Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 800 To 320 Feet
 From _____ To _____ Feet

WELL CONSTRUCTION OR DESTRUCTION

PROPOSED SEALS/PLUGS:

Annular 300 +/-
 Other _____

PENETRATES TWO OR MORE AQUIPERS

Yes No

PROPOSED WELL DESTRUCTION

Well Depth _____ ft

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access and flood plain clearances prior to approval of the Environmental Health Services Dept. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features are required before the well is put into use.
8. Construction under this Permit is subject to any instructions by Department representatives.
9. Any misrepresentation or non-compliance with required Permit Conditions, or regulations, will result in issuance of a "Stop Work Order".
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility of all activities and uses under this Permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this Permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to insure compliance with the pertinent regulations.

Owner's Signature Bob Simmons Date 3/17/00 Drilling Contractor Mike Steyer Date 3-17-00 F.P.I.

INTERNAL USE ONLY Permit Approved: Date: Expiration Date:	Total Fee: <u>335</u> Date Paid: <u>3-17-00</u> Receipt # <u>D422</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check # <u>34833</u> Fee Received by: <u>N. Fenton</u>																				
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REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

* Elevate casing 2' above prevailing ground level or 1' above perimeter of level.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701

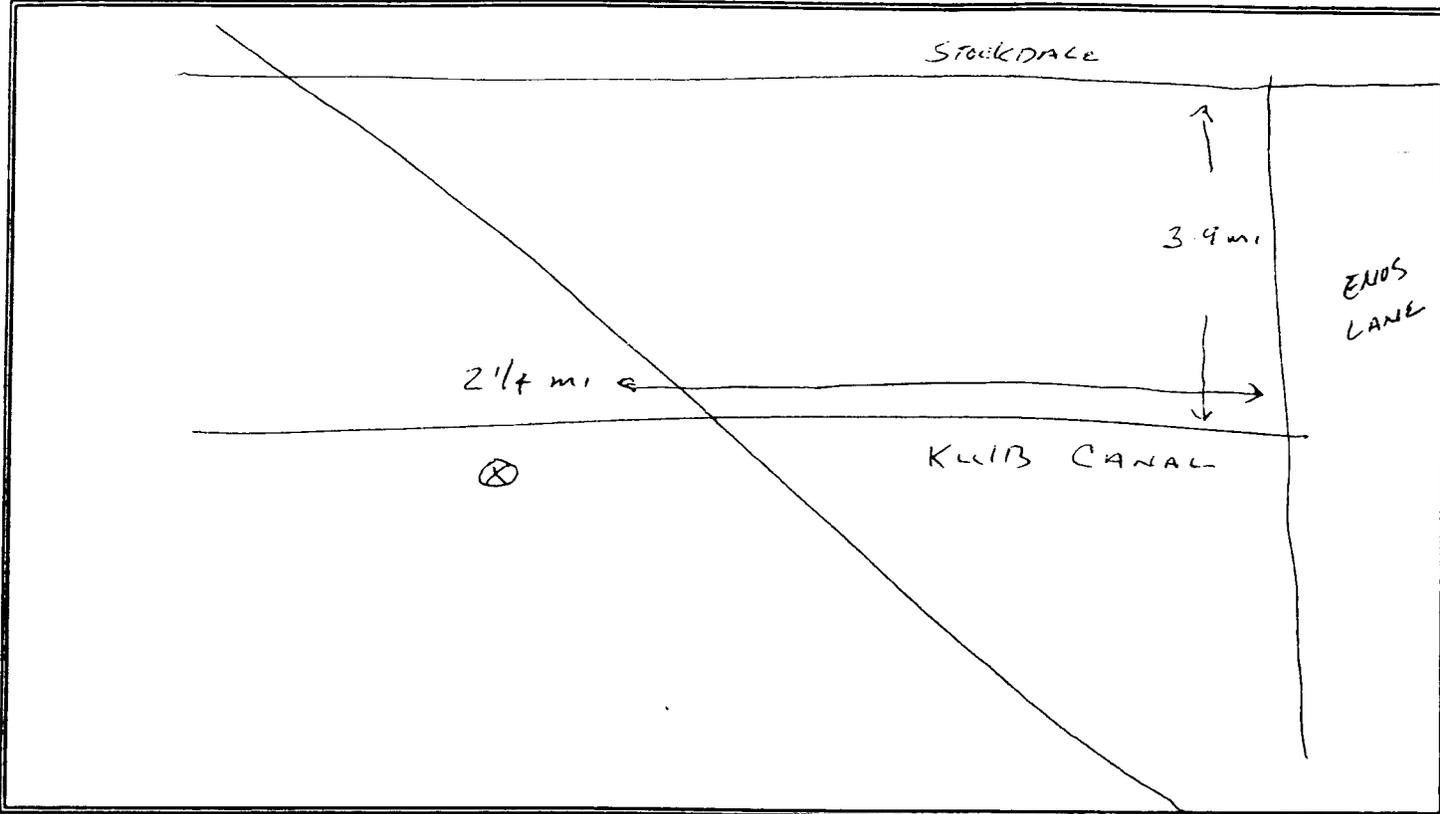
Parcel Map/Tract: _____

Parcel No.: _____

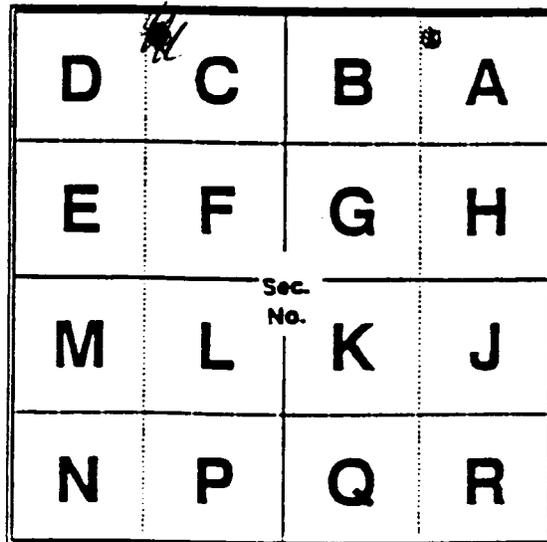
Assessor's Parcel No.: _____

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES--Locate well by measuring from proposed site in relation to section lines or 1/2 section lines.



KERN COUNTY
DEPARTMENT OF ENGINEERING & SURVEY SERVICES

21 30/25

**FLOOD PROTECTION REQUIREMENTS
FOR A WELL**

In response to a request dated April 3, 2000, a flood hazard evaluation was performed for:

Building Permit Number: Well 21A1

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 160-110-13

Street Address: _____

Section Township/Range: Sec 21, T. 30 S., R. 25 E.

Date completed: April 4, 2000 File: 141.1.121.211

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee *is not* required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

_____ foot/feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

Two ~~one~~ feet above the prevailing ground level (see note) at the location of the well site or one foot above the perimeter levee, whichever is higher.

Reviewed by: U b m P

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B, effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____, effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from the Kern River and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

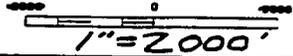
- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

the FLOOD INSURANCE RATE MAP EFFECTIVE date on this map to determine when actuarial rates apply to the zones whose elevations or depths have been established.

errone if flood insurance is available in this community, your insurance agent, or call the National Flood Insurance at (800) 638-6620.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

KERN COUNTY, CALIFORNIA (UNINCORPORATED AREAS)

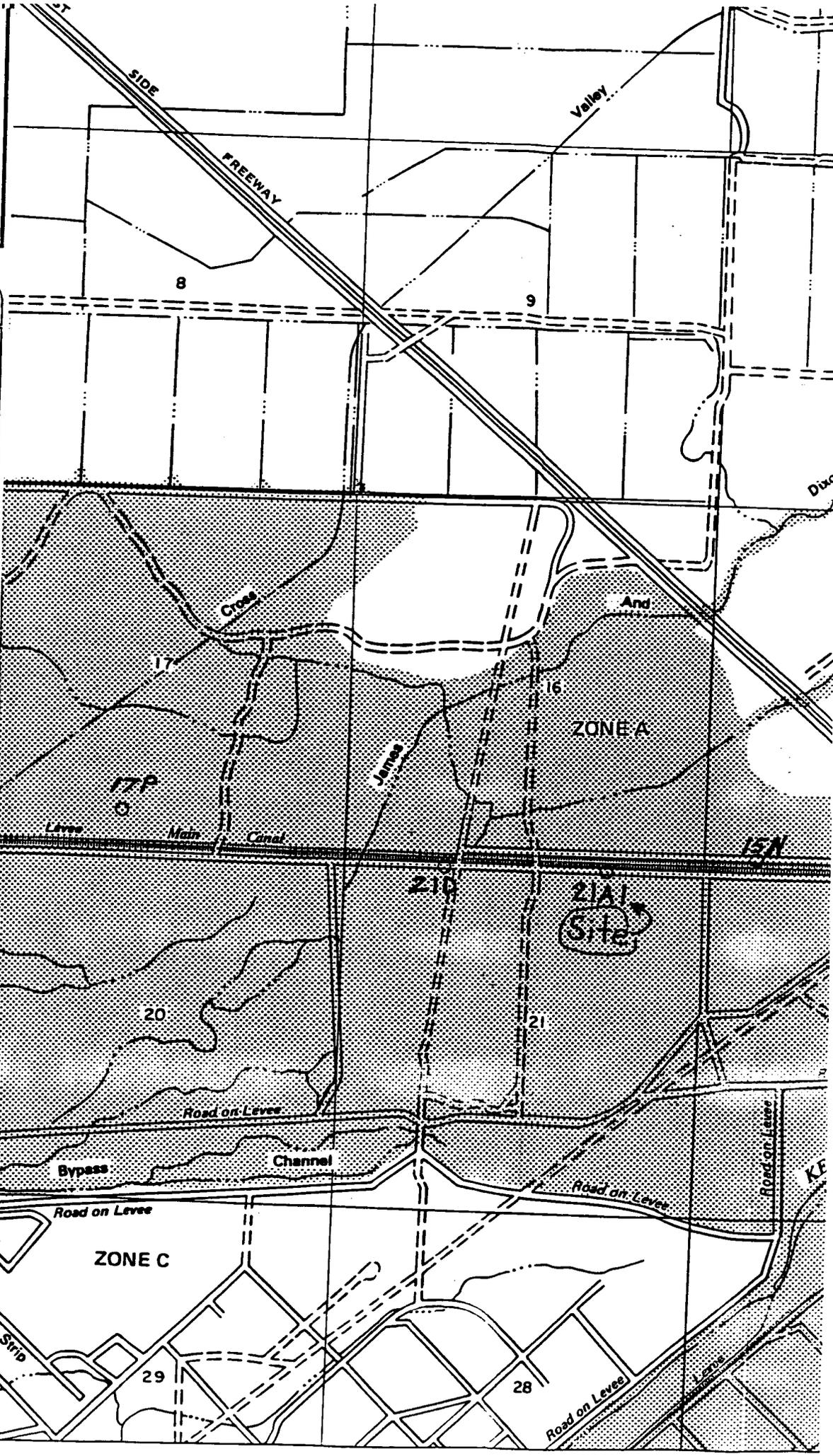
PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency



ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



APR 17 2000

DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

April 13, 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-110-13, T30S, R25E, Section 21-D, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-400

KernWaterBank-EH400-w23b

Kern County
Environmental Health Services Dept.
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (805) 862-8700
FAX (805) 862-8701



Permit # EH-400

APPLICATION FOR PERMIT TO CONSTRUCT, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-17-00 PROPOSED START DATE: 3-27-00

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8730

Address: Box 80607 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR: F.P.I. Phone: 661-589-6901

Address: Box 1977 City: SHARPER Zip: 93263

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

JOB SITE: WELL 21D T 30S R 25E Sec. 21 40 Acre Sub. D

PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-110-13

SITE ADDRESS if available: _____ TOTAL ACRES: 770

DIRECTIONS to Well Site: ENOS LANE 3-5 MILES SOUTH OF STOCKDALE
HWY WEST ON SOUTH SIDE OF CANAL 2.314 miles

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:

- Domestic/private (1 connection)
- Domestic/nonpublic (2-4 connections)
- Domestic/public (5 or more conn.)
- Agricultural
- Test Hole
- Monitoring
- Cathodic Protection
- Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
- Rotary
- Air Rotary
- Other _____

SEALING MATERIAL: (check one)

- Neat Cement
- Cement Grout
- Concrete
- Other _____

GRAVEL PACK: (check one)

- Yes No
- From 800 To 300 Feet

PROPOSED CASING:

Type STEEL
Diameter 1800
Depth 300
Conductor Depth 70-100
Gauge/Wall 5/16

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 800 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 800 To 320⁺⁻ Feet
From _____ To _____ Feet

WELL CONSTRUCTION OR DESTRUCTION

PROPOSED SEALS/PLUGS:

Annular 300⁺⁻
Other _____

PENETRATES TWO OR MORE AQUIFERS

- Yes No

PROPOSED WELL DESTRUCTION

Well Depth _____ ft

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access and flood plain clearances prior to approval of the Environmental Health Services Dept. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features are required before the well is put into use.
8. Construction under this Permit is subject to any instructions by Department representatives.
9. Any misrepresentation or non-compliance with required Permit Conditions, or regulations, will result in issuance of a "Stop Work Order".
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility of all activities and uses under this Permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this Permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to insure compliance with the pertinent regulations.

Owner's Signature Herb Simmons Date 3/17/00 Drilling Contractor FDI Mike Flynn Date 3-17-00

INTERNAL USE ONLY Permit Approved: Date: Expiration Date:	Total Fee: <u>335</u> Date Paid: <u>3-17-00</u> Receipt # <u>2427</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check # <u>34133</u> Fee Received by: <u>W. Fenton</u>																		
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BY: <u>F. Chumil</u>																			
DATE: <u>3/17/00</u>																			
ENVIRONMENTAL HEALTH SERVICES DEPARTMENT																			
E-Log Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																			
Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																			

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

* Elevate casing 2' above prevailing ground level or 1' above perimeter of levee.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

Kern County
 Environmental Health Services Dept.
 2700 "M" Street, Suite 300
 Bakersfield, CA 93301
 Phone (805) 862-8700
 FAX (805) 862-8701

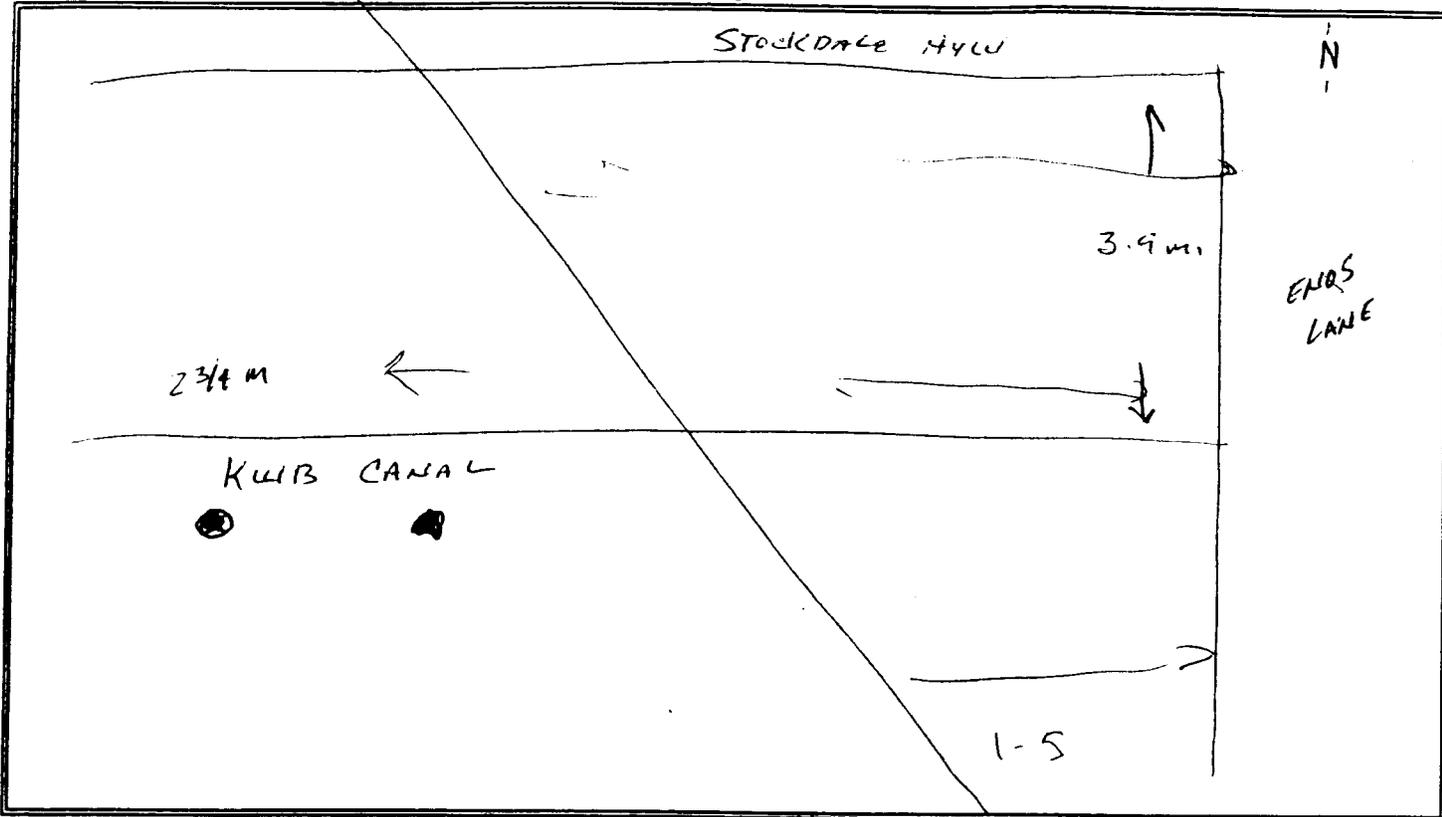
Parcel Map/Tract: _____

Parcel No.: _____

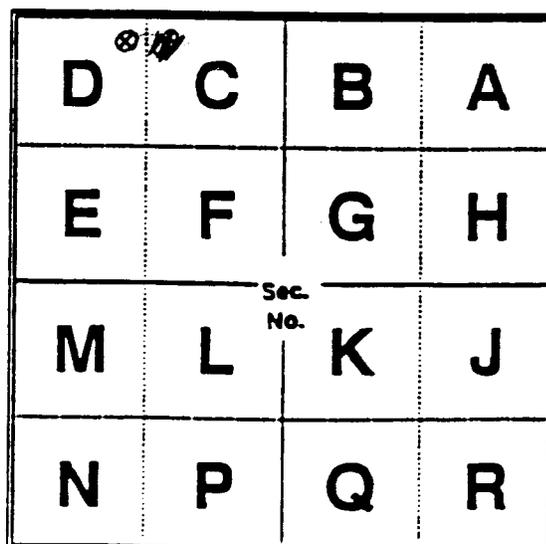
Assessor's Parcel No.: 160-11003

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES--Locate well by measuring from proposed site in relation to section lines or 1/2 section lines.



APPLICANT'S COPY

FLOOD PROTECTION REQUIREMENTS
FOR A WELL

In response to a request dated April 3, 2000, a flood hazard evaluation was performed for:

Building Permit Number: Well 21D

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 160-110-13

Street Address: _____

Section Township/Range: Sec 21, T. 30S., R. 25E.

Date completed: April 4, 2000 File: 141.1.121.21.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee is not required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

[] _____ foot/feet above the prevailing ground level (see note) at the location of the well site.

[] _____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

Two ~~one~~ feet above the prevailing ground level (see note) at the location of the well site or one foot above the perimeter levee, whichever is higher.

Reviewed by: M. D. M

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____ effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from the Kern River and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 feet ~~0.0~~
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

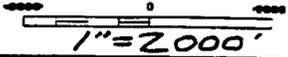
- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

to the FLOOD INSURANCE RATE MAP EFFECTIVE date on this map to determine when actuarial rates apply to areas in the zones where elevations or depths have been established.

to determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

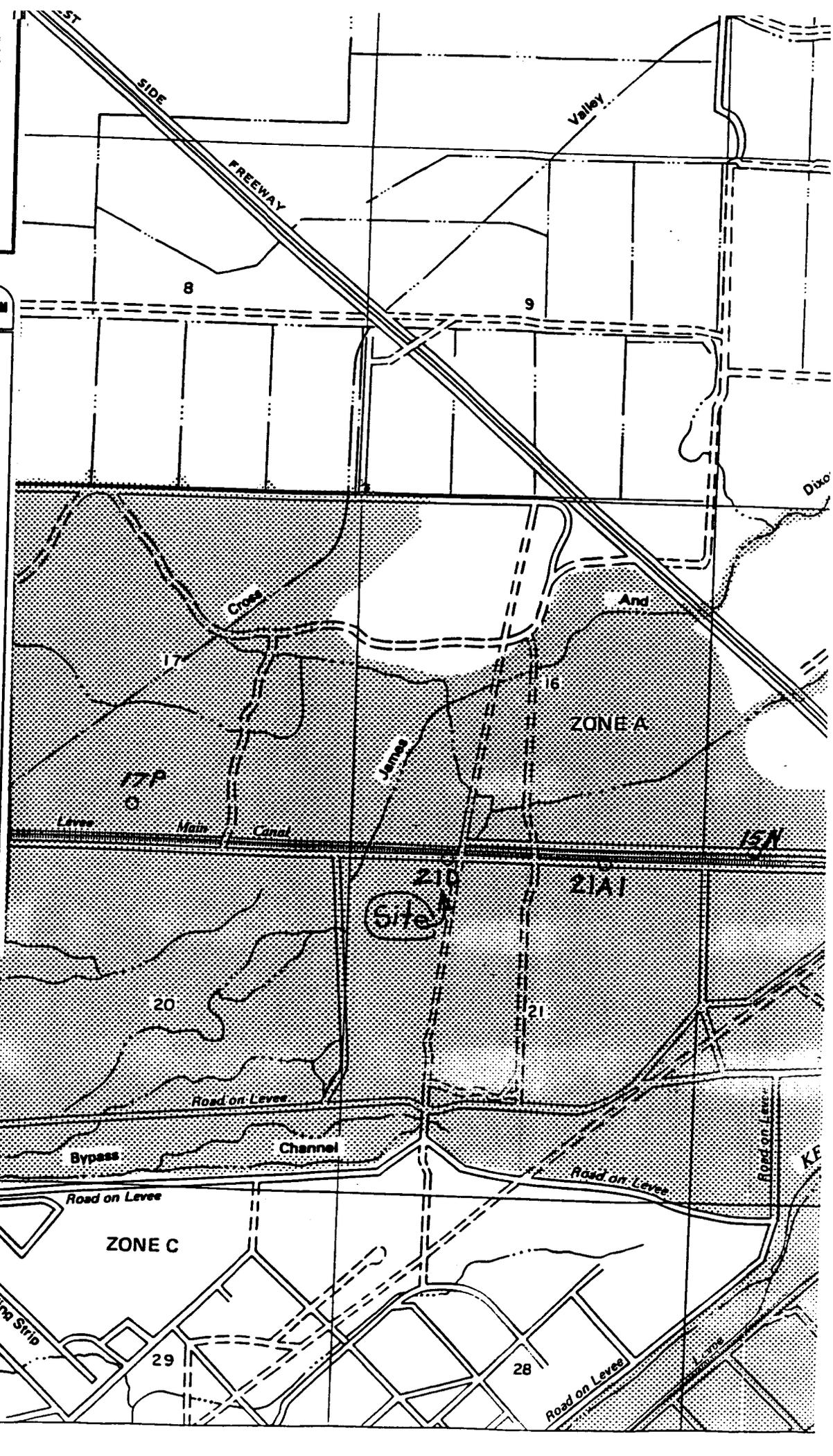
PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency



121-21-01

21601

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

K/D Drilling
6201 Wible Rd #64 93307

C57288763
LICENSE NUMBER

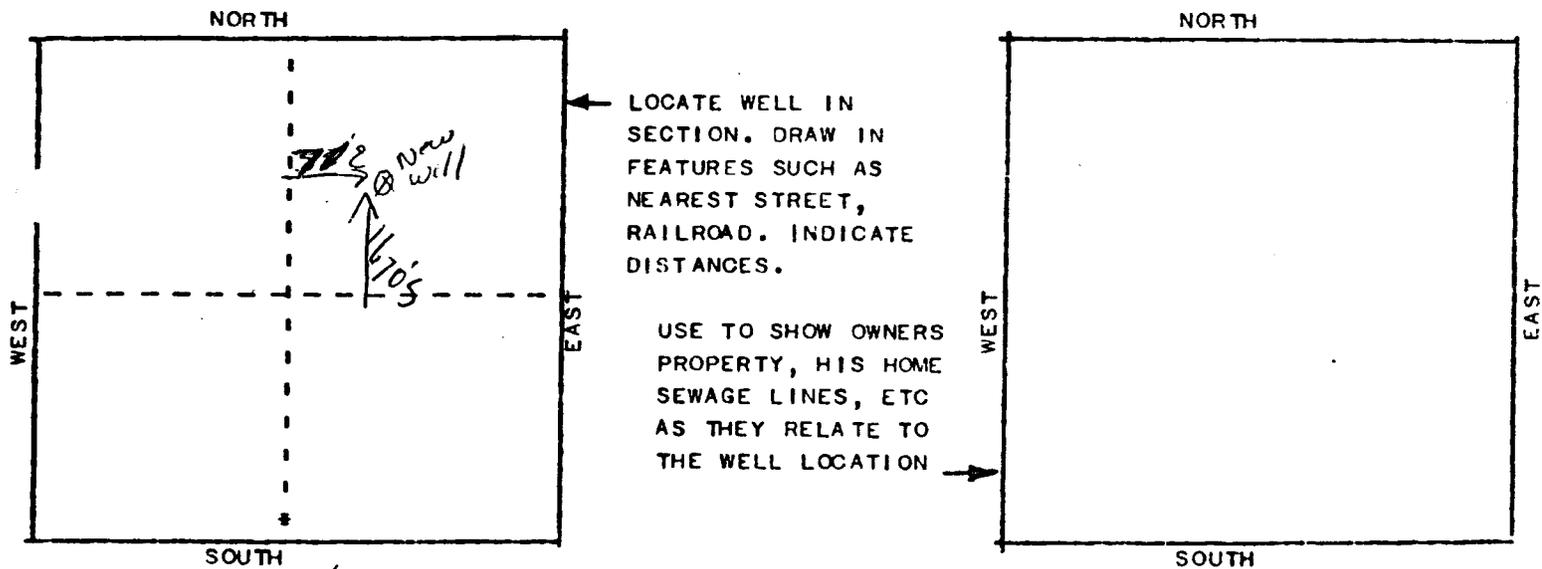
(6021-1)

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY Tenneco West

WHOSE MAILING ADDRESS IS P.O. Box 380 Bakersfield 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1670' S and 70' E of N/4 Cor Sec 21
T30 S R25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: [Signature] AS AGENT FOR K/D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____:

BY: [Signature] A'
KERN COUNTY PLANNING COMMISSION
DATE: 4-7-76

HEALTH DEPT. - REMARKS: _____

BY: _____

DATE: _____

PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

June 19, 2000

JUN 21 2000

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 160-120-22, T30S, R25E, Section 23-H, has been received and reviewed.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation
File EH-484

Hardy\Water\KWBA-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-484

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5-31-00 PROPOSED START DATE 6-7-00
OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8738
Mailing Address: Box 80607 City Bakersfield Zip: 93380
DRILLING CONTRACTOR KWBA Contractor's License 602148 Phone: 661-399-8738
Address: Box 80607 City: Bakersfield Zip: 93380
SUBCONTRACTOR: DRILLING CONSULTANT: FARM PUMP Phone: 559-6901
Address: _____ City: _____ Zip: _____

JOB SITE: T305 R25E Sec. 23 40 Acre Sub H
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160 120 22006
SITE ADDRESS if available: _____ TOTAL ACRES: 40
DIRECTIONS to Well Site: ENDS LANE 3/4 MI. SOUTH OF STOCK DALE HALL
WEST ON NORTH SIDE OF KWBA CANAL

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 300 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 18"
Gauge/Wall 5/16
Conductor Depth 50'

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 800 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150'
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Michelle Saline Date 5-31-00

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>5/31/00</u></p> <p>Receipt # <u>5033</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>3403</u>)</p> <p>Fee received by: <u>Michelle Saline</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>5/31/00</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

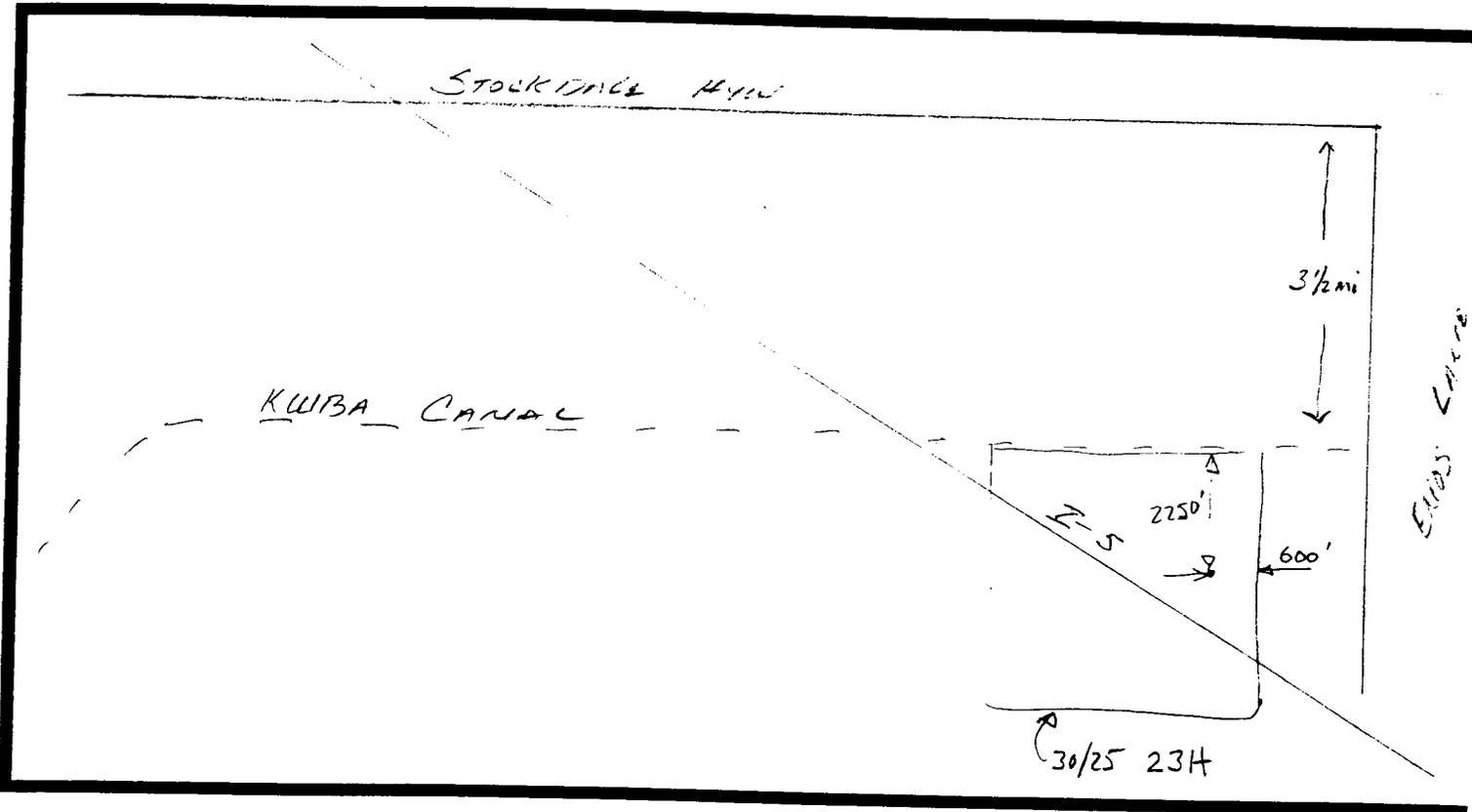
* Elevate casing 2' above grade per flood review.

[Signature]

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



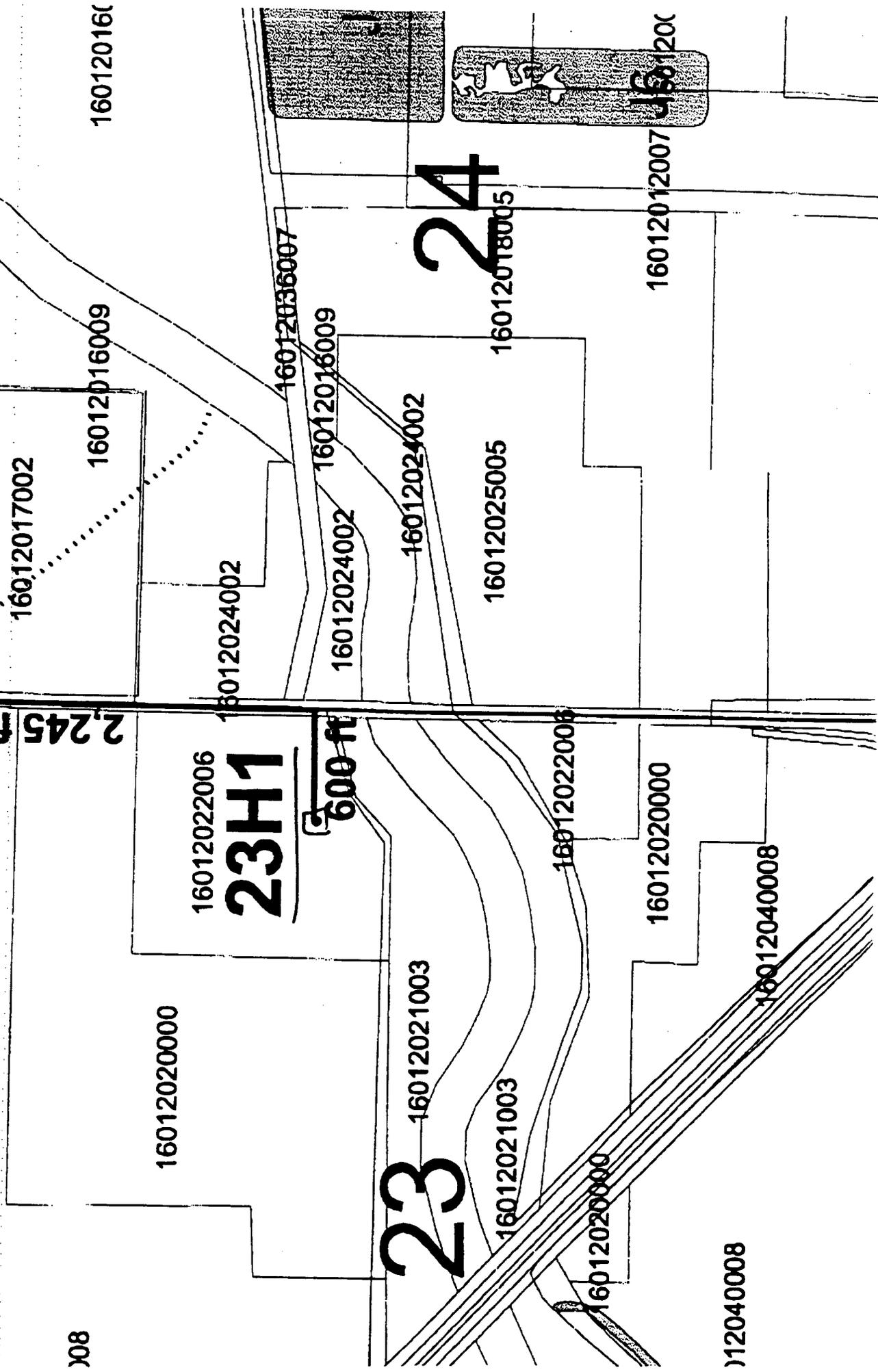
- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 23

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

1000/013004



KERN COUNTY
DEPARTMENT OF ENGINEERING & SURVEY SERVICES

FLOOD PROTECTION REQUIREMENTS
FOR A WELL

APPLICANT'S COPY

In response to a request dated 5-31-2000, a flood hazard evaluation was performed for:

Building Permit Number: _____

Applicant: KERN WATER BANK AUTHORITY

Assessor's Parcel Number: 160-120-22

Street Address: 3 1/2 MI. S/O STOCKDALE HWY.; 600' N/O ENDS LN.

Section Township/Range: SEC. 23, T. 30 S, R. 25 E.

Date completed: JUNE 9, 2000 File: 141.1.121.23.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and ^{NO} ~~fee~~ ~~required~~ is required. Previous permit no. _____.

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0 ~~1.0~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B, effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____, effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from KERN RIVER and is:

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of 1.0 ~~feet~~ feet NGVD
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

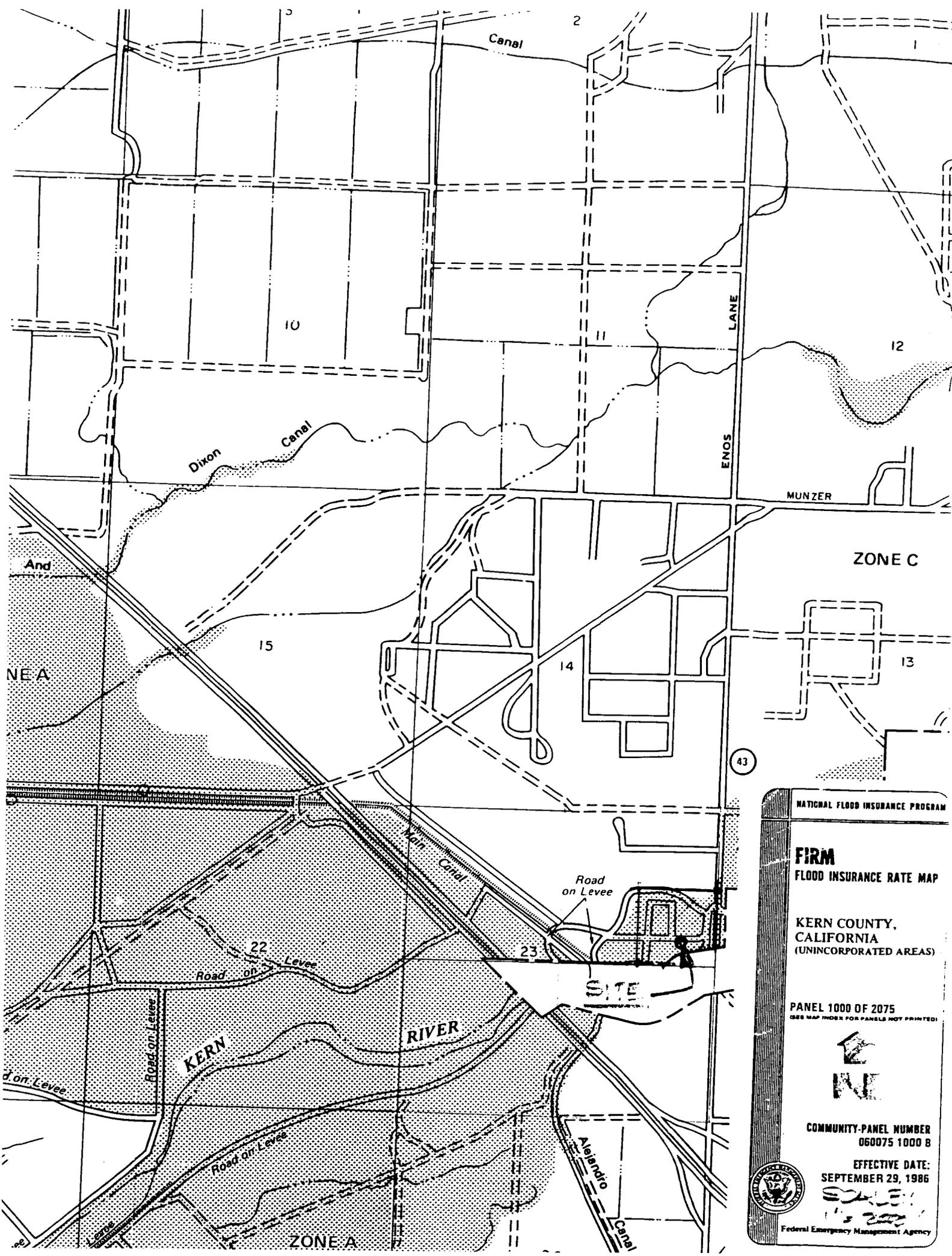
ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (805) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)



COMMUNITY-PANEL NUMBER
060075 1000 8

EFFECTIVE DATE:
SEPTEMBER 29, 1986

SOLE
12 2000



Federal Emergency Management Agency

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 22, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

FEB 26 2001

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three (3) agricultural wells have been received and reviewed. The wells will be located as follows:

<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-758	160-070-22	30S/25E/13-F
EH-759	160-070-20	30S/25E/24-K
EH-760	160-070-20	30S/25E/13-J

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp or seal.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

cc: Farm Pump & Irrigation - Drilling Consultant
Files EH-758, 759 & 760

Hardy\Water\2001\KWBA-3-w23b

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-759

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-060
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 24 40 Acre Sub K
PROPERTY DESCRIPTION: Assessor's Parcel No.: 160-120-12
SITE ADDRESS if available: N/A TOTAL ACRES: 138.01
DIRECTIONS to Well Site: Take Ends Lane about 3 1/2 miles south of Stockdale Hwy. Go about 1/2+ mile east.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Herb Jimenez Date 2/22/01

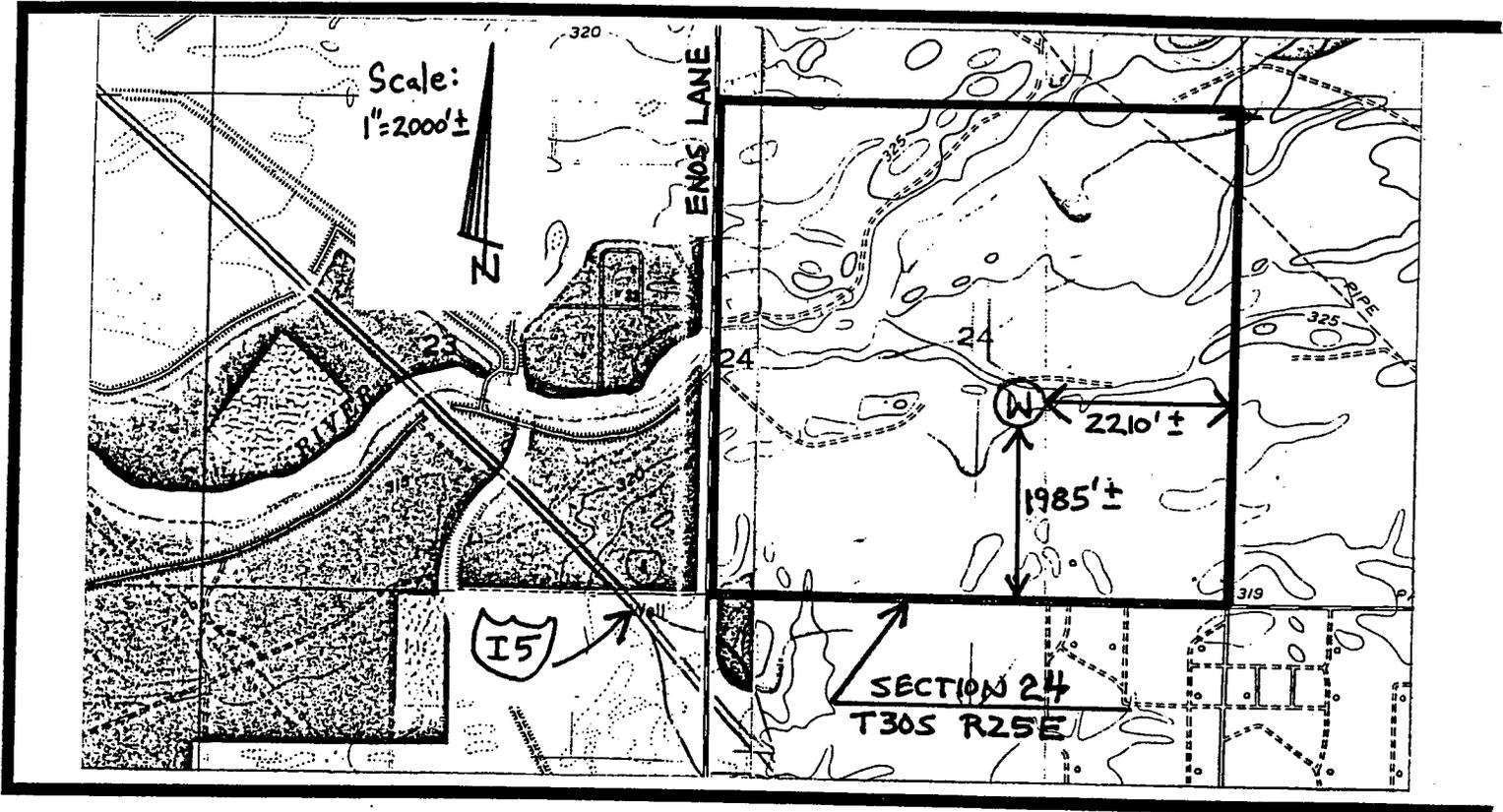
<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u></p> <p>Receipt # <u>14266</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>036094</u>)</p> <p>Fee received by: <u>YM. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

- THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 24

D	C	B	A
E	F	G	H
M	L	Well K	J
N	P	Q	R

1- _____ One Mile _____ -1

121-36-2

36D01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY

NAME AND ADDRESS K&D Drilling
6036-1 6201 Wible Rd 64 09

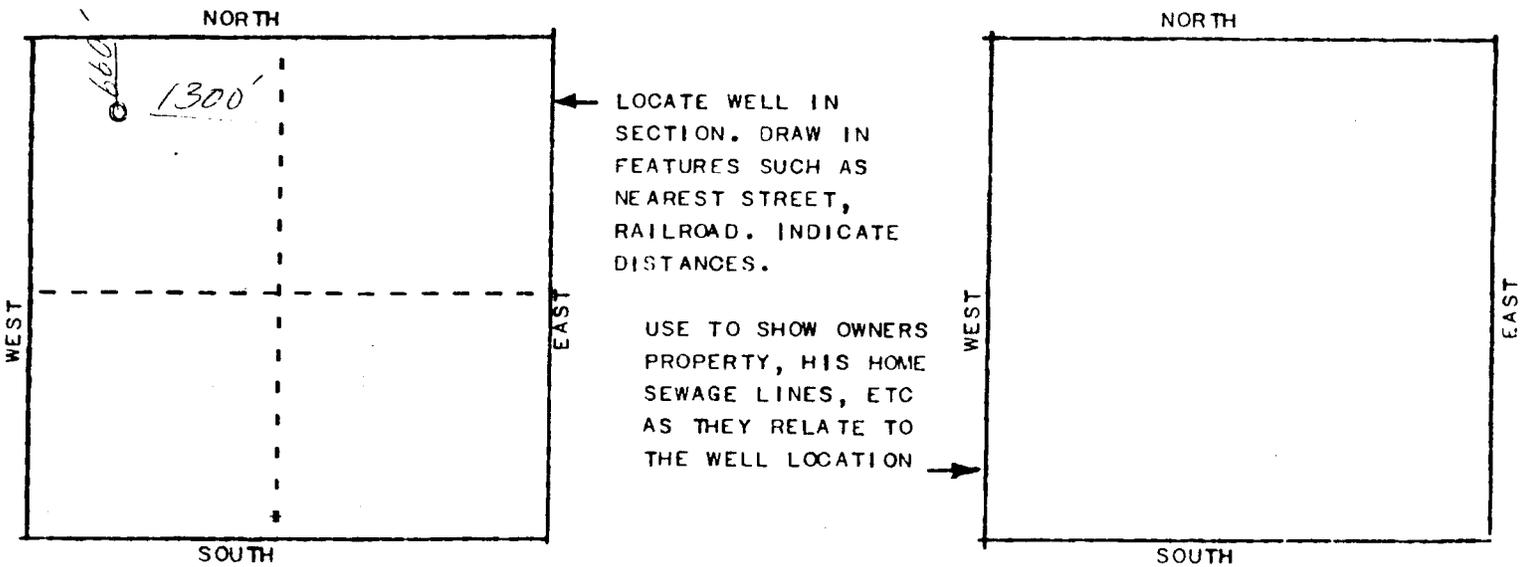
C57288 763
LICENSE NUMBER SI/TCG

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL V, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY TENNOCO West
WHOSE MAILING ADDRESS IS P.O. Box 9380

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
660' S and 1300' E of N.W. Cor
Sec 36 T 30 S R 25 E

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Arthur D. Inel AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED ✓ APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :
BY [Signature] "A"
KERN COUNTY PLANNING COMMISSION
DATE: 10-1-76

HEALTH DEPT. - REMARKS:

BY:
DATE:
PERMIT NO.

122-6-3

6N01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

Well # 6E6-2

DRILLING COMPANY
NAME AND ADDRESS

K&D Drilling
6201 Wible Rd sp 64 93309

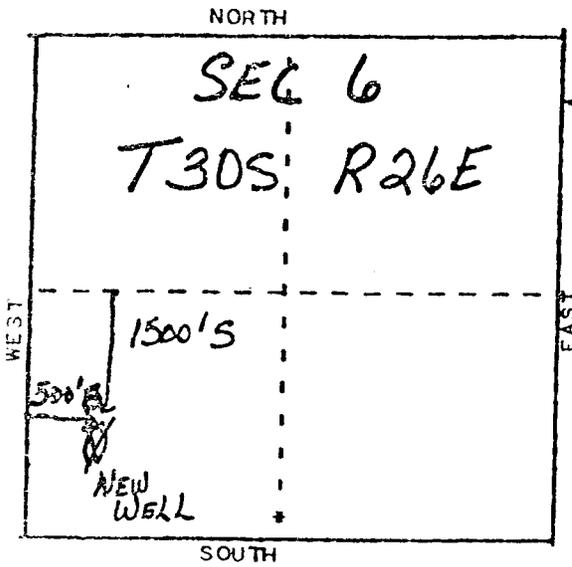
C57 288 763
LICENSE NUMBER

PLANT TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY Tenneco West

WHOSE MAILING ADDRESS IS P.O. Box 9380, 93309

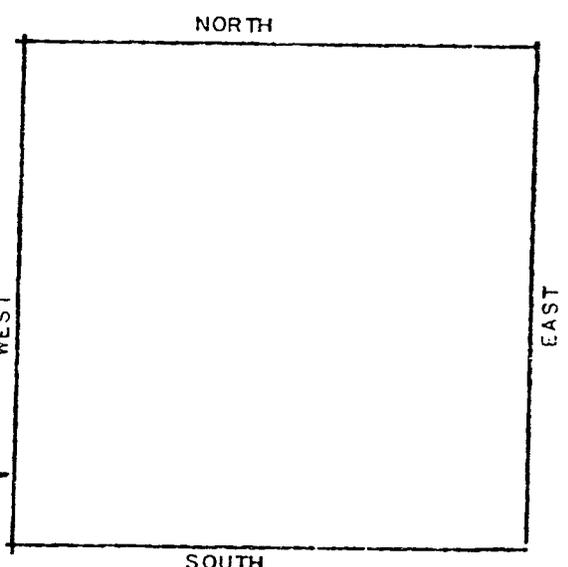
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
(6E6-2) 1500' S & 500' E of W/4 Cor. SEC 6
T30S R26E MD

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



SUBMITTED BY: Kristina D Lynch AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :
BY [Signature] "A"
KERN COUNTY PLANNING COMMISSION
DATE: 5-28-70

HEALTH DEPT. - REMARKS:

BY:
DATE:
PERMIT NO.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370

Voice: (661) 862-8700

Fax: (661) 862-8701

TTY Relay: (800) 735-2929

e-mail: eh@co.kern.ca.us



MAY 12 2004

RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department

Engineering & Survey Services Department

Environmental Health Services Department

Planning Department

Roads Department

May 4, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 524-020-07, T30S, R26E, Section 6-P, has been received and reviewed. Your permit number is EH-2161.

No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump and Irrigation
File EH-2161

(water\hardy\eh2161-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-2161

KWBA # 6-PI

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: _____ PROPOSED START DATE _____

OWNER: KERN WATER BANK AUTHORITY Phone: 661-391-8735

Mailing Address: Box 80607 City: BAKERSFIELD Zip: 93382-0607

DRILLING CONTRACTOR: F.P.T. Contractor's License: 602148 Phone: 661-559-6901

Address: P.O. Box 1477 City: SHAFER Zip: 93623

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 305 R 20E Sec. 6 40 Acre Sub _____

PROPERTY DESCRIPTION: Assessor's Parcel No.: 524-020-07

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENDS CASE TO MINNER - GO EAST ON MINNER
1 1/2 MILES & NORTH 1 1/2 MILES TO LOCATION

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 200 To 150 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8
Conductor Depth 40'

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 1100 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 1000 To 120 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 120'
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH _____
DEPTH OF WELL TO BE DESTROYED _____

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent _____ or Agency Milchak/JS Date 5-3-04

<p><i>Internal use only</i></p> <p>Permit Approved: <u>A</u></p> <p>Date: <u>5-4-04</u></p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335⁰⁰</u> Date Paid: <u>5/3/04</u> <i>15 over</i></p> <p>Receipt # <u>102631</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# _____)</p> <p>Fee received by: <u>JS</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>JS</u></p> <p>Date: <u>5/3/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED.

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

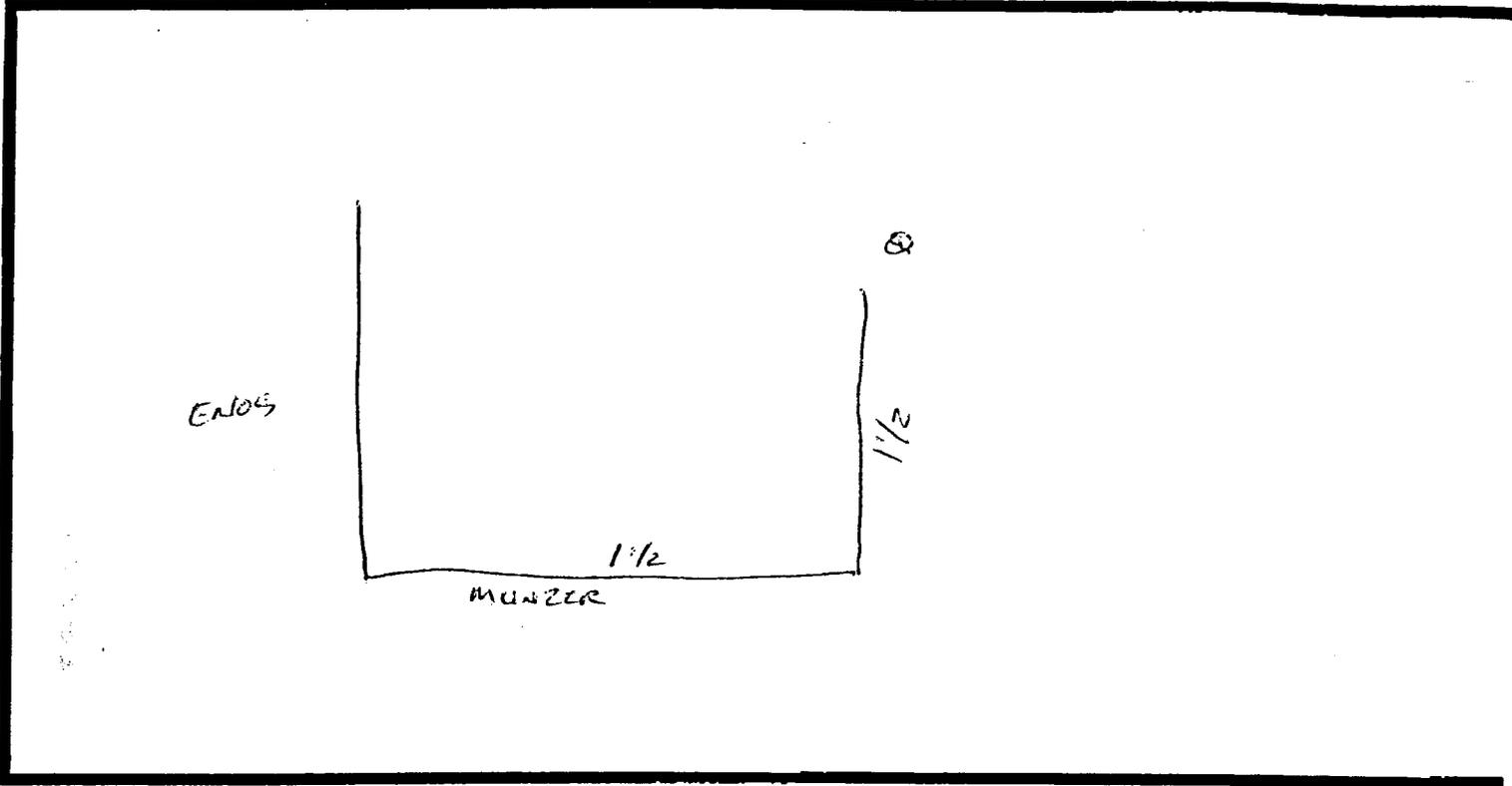
Parcel/Map/Tract _____

Parcel No. _____

Assessor's Parcel No. _____

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R



1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

AUG 17 2004

March 17, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

30/267C

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 524-030-02, T30S, R26E, Section 7-C, has been received and reviewed. Your permit number is EH-2048.

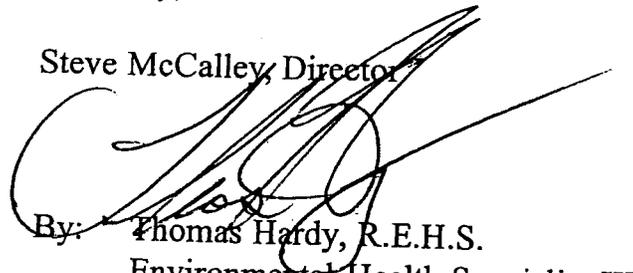
No additional conditions will be required at this time.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director


By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump and Irrigation
File EH-2048

(water\hardy\eh2048-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-2042

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

WELL # 701

APPLICATION DATE: 3-2-4 PROPOSED START DATE 3-9-4

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8735

Mailing Address: Box 80007 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR: F.P.I Contractor's License: 602148 Phone: 661-589-6901

Address: _____ City: _____ Zip: _____

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 30 S R 26 E Sec. 7 40 Acre Sub _____

PROPERTY DESCRIPTION: Assessor's Parcel No.: 524-030-02

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENOS LN TO MOWER - GO EAST ON MOWER 1/2 MI.
TURN NORTH 9/10 MI. TO LOCATION

TYPE OF WORK TO BE DONE: (check one)
 New Well Deepen
 Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:

- Domestic/private (1 connection)
- Domestic/nonpublic (2-4 connections)
- Domestic/public (5 or more conn.)
- Agricultural
- Test Hole
- Monitoring
- Cathodic Protection
- Other _____

CONSTRUCTION METHOD:

- Reverse Rotary
- Rotary
- Air Rotary
- Other _____

PROPOSED CASING:

Type: STEEL
Diameter: 20"
Gauge/Wall: 3/8"
Conductor Depth: 40'

SEALING MATERIAL (check one)

- Neat Cement
- Cement Grout
- Concrete
- Other _____

GRAVEL PACK: (check one)

Yes No
From 900 To 150 Feet

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 880 To 200 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 150'
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS

Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent _____ or Agency M. K. Light Date 3-2-4

<p><i>Internal use only</i> Permit Approved: <u>A</u> Date: <u>3-16-04</u> Expiration Date: _____</p>	<p>Total Fee: _____ Date Paid: _____ Receipt # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Check (# _____) Fee received by: _____</p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>Kate M. Light</u> Date: <u>3/2/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED.

KWBA
Prop. 13
Well Locations



1" = 1,000'

As of 1/1/2011

6P1

2660

524-020-07

524-020-11

625'

7C1

2825'

524-030-02

7L1

524-030-05

524-030-01

T 30 S R 26 E

524-030-04

524-030-10

8M1

7Q1

7R1

524-030-11

160-010-14

160-010-12

1Q1

160-010-13

160-060-20

160-060-06

160-060-18

160-060-19

160-060-15

160-060-07

160-060-04

160-060-21

13B1

160-070-20

524-070-01

18B1

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

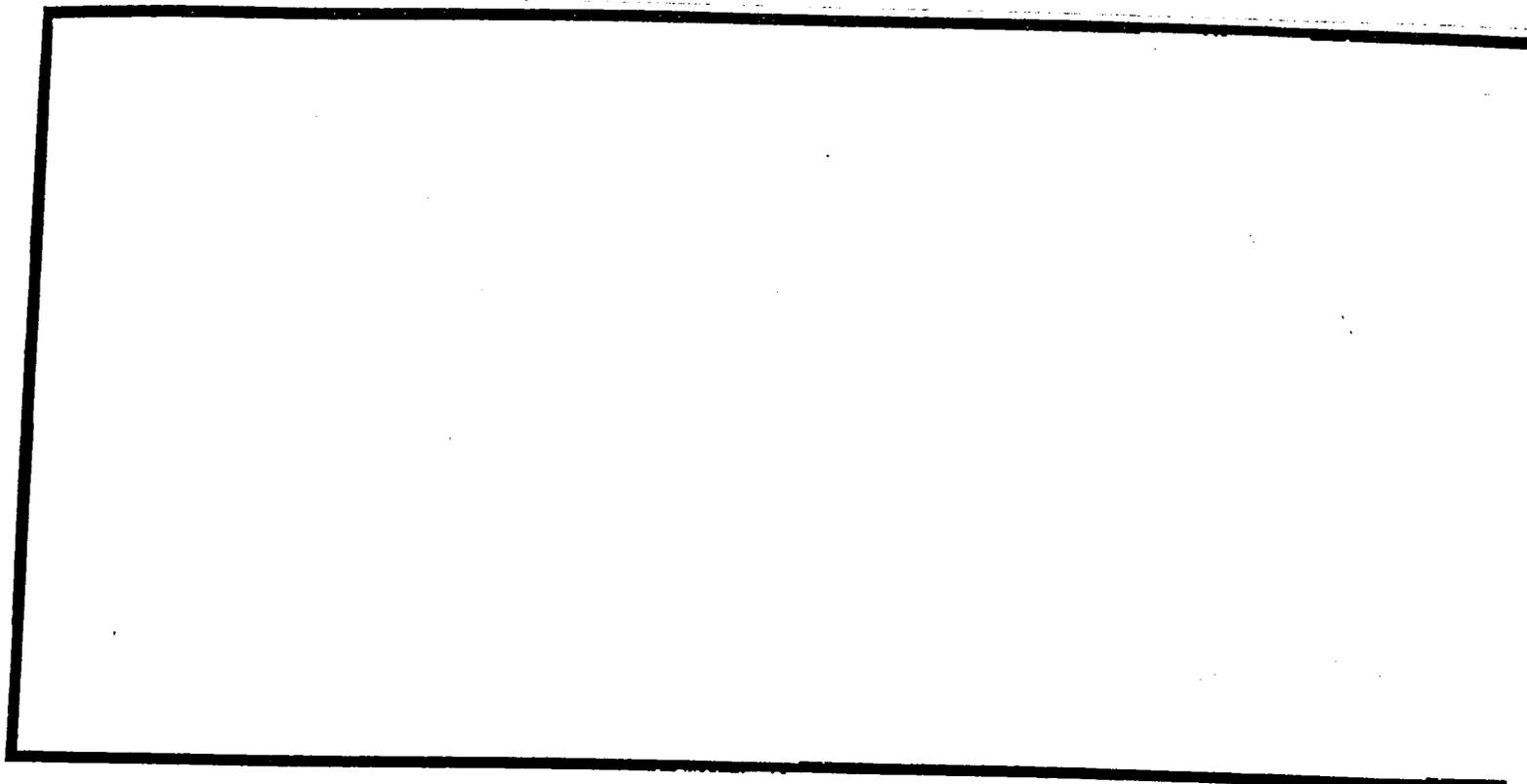
Parcel/Map/Tract _____

Parcel No. _____

Assessor's Parcel No. _____

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

6E11

10-1-74

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

7501

DRILLING COMPANY
NAME AND ADDRESS

SLATE WELL DRILLING C57288763
PO Box 187 STRATFORD CA 93266 LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN

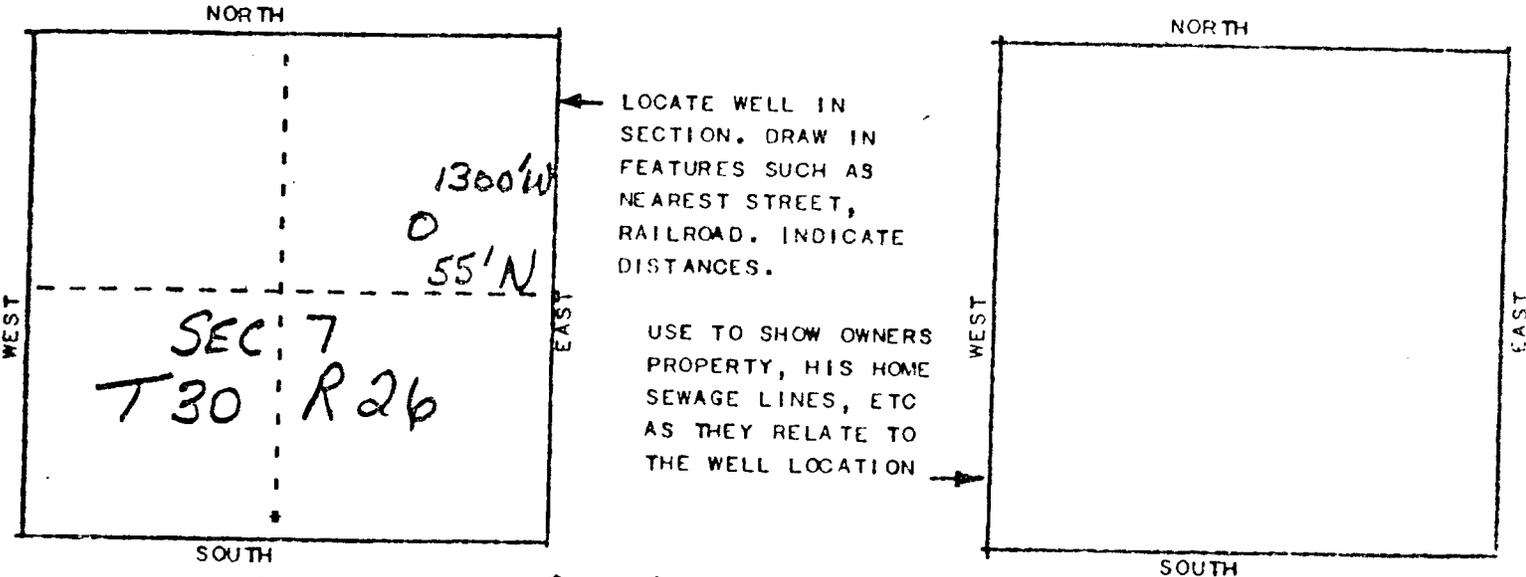
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY TENNECO WEST INC

WHOSE MAILING ADDRESS IS PO Box 380 BAKERSFIELD, CA 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
55' N & 1300' W OF E/4 CORNER SEC 7 30/26

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Denny C Lynch AS AGENT FOR SLATE WELL DRILLING
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED
BY [Signature] A
KERN COUNTY PLANNING COMMISSION
DATE: 6-27-74

APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:
no structures within 10' radius

HEALTH DEPT. - REMARKS:
BY:
DATE:
PERMIT NO.

MAR 19 2004

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

March 17, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 524-030-04, T30S, R26E, Section ~~7-F~~, has been received and reviewed. Your permit number is EH-2050.

7-L

In addition to the general conditions listed on the back side of the application for a well permit, the following additional condition will apply to well construction:

- This well is located within a flood zone. According to the March 12, 2004, Flood Protection Requirements, the well is to be located at a base flood elevation of 334.4 NGVD. This elevation is to be certified as being true and correct prior to final approval of the well.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy".

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

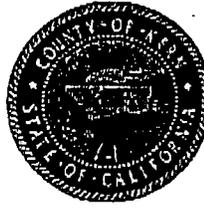
TH:jrw

Enclosure

cc: Farm Pump and Irrigation
File EH-2050

(water\hardy\eh2050-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-2050

APPLICATION FOR PERMIT TO WELL 711
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-2-4 PROPOSED START DATE 3-9-4

OWNER: KERN WATER BANK AUTHORITY Phone: 661-399-8735

Mailing Address: Box 800207 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR F.P.I Contractor's License 602148 Phone: 661-589-6901

Address: Box 1477 City: SHARPER Zip: 93263

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 303 R 20E Sec. 7 40 Acre Sub FL

PROPERTY DESCRIPTION: Assessor's Parcel No.: 524-030-0A

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENDS LN TO INTER - GO EAST ON INTER 1/4 MI THEN 1/4 NORTH

TYPE OF WORK TO BE DONE: (check one) New Well Deepen Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 40'

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 7 1/2' To 150' Feet

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900' Feet
Min. 700' Feet

PROPOSED PERFORATIONS OR SCREEN: 1
From 50' To 20' Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150 ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency *[Signature]* Date 3-2-04

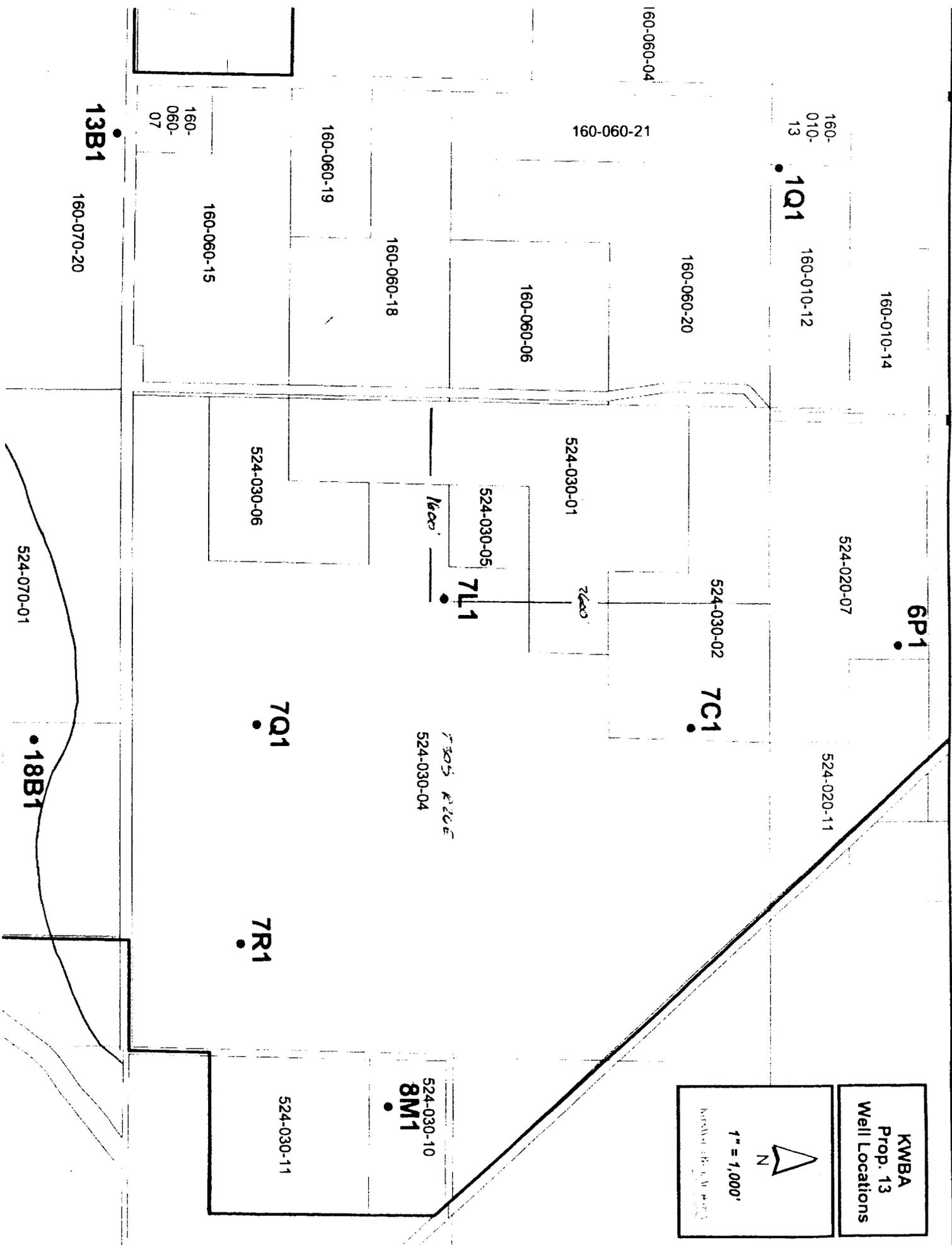
<p><i>Internal use only</i> Permit Approved: <u><i>[Signature]</i></u> Date: <u>3-16-04</u> Expiration Date: _____</p>	<p>Total Fee: _____ Date Paid: _____ Receipt # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Check (# _____) Fee received by: _____</p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u><i>[Signature]</i></u> Date: <u>3/2/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u><i>[Signature]</i></u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED.

KWBA
Prop. 13
Well Locations

1" = 1,000'
N
BIRMINGHAM, ALABAMA



160-010-14

160-010-13

160-010-12

160-060-20

160-060-21

160-060-04

160-060-06

160-060-18

160-060-19

160-060-15

160-060-07

160-070-20

524-020-07

524-020-11

524-030-02

524-030-01

524-030-05

524-030-06

7305 RICE
524-030-04

524-030-10

524-030-11

524-070-01

6P1

7C1

7L1

7Q1

7R1

8M1

13B1

18B1

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

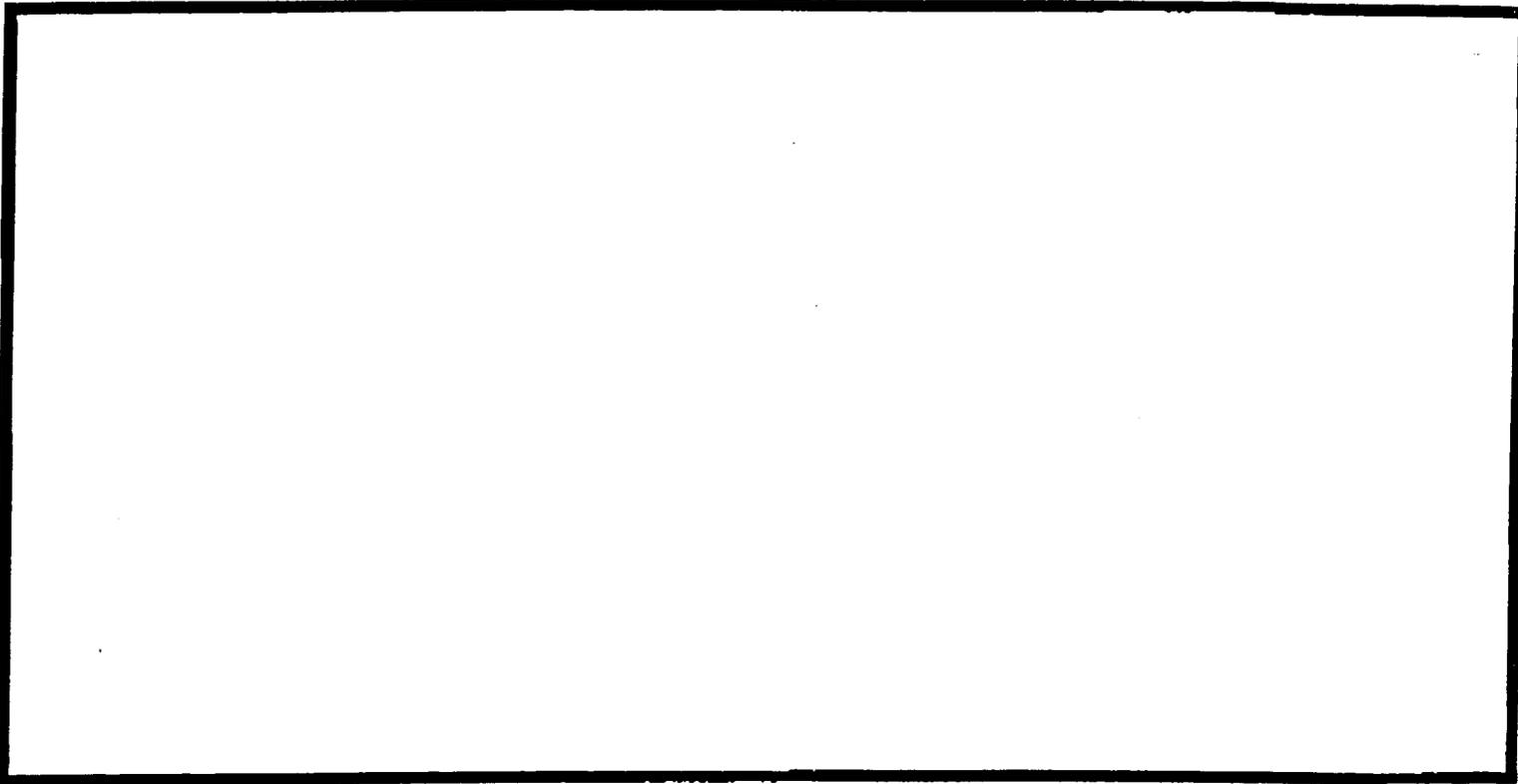
Parcel/Map/Tract _____

Parcel No. _____

Assessor's Parcel No. _____

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1



**KERN COUNTY
ENGINEERING & SURVEY SERVICES DEPARTMENT
FLOOD PROTECTION REQUIREMENTS
FOR A PROPOSED SINGLE FAMILY RESIDENCE**

APPLICANTS COPY

SECTION A - PROJECT INFORMATION

Applicant: Kern Water Bank
 Type of Structure: Well Permit No.:
 Street Address: #7R1
 Other Property Information: Tract: Lot: PM: Parcel:
 Assessor's Parcel Number: 524-030-04 Section: 7 Township/Range: 30/26

FOR OFFICE USE ONLY:	
Prepared by:	Falcone, R.
Checked by:	CFP
Date Received:	03/10/2004
Date Completed:	03/12/2004
Elevation Cert Required:	No
Permit Finalized:	No
Microfilm No.:	
File No.:	38.7

SECTION B - FEE and ELEVATION CERTIFICATE REQUIREMENTS

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$0.00 s required.

ELEVATION CERTIFICATE:

The attached Elevation Certificate **must** be completed by a licensed land surveyor or engineer and returned to the building inspector **PRIOR TO PLACING THE FOUNDATION**. The Building Inspector may complete the Elevation Certificate if the requirements involve a height above natural ground, however, the Building Inspector is **NOT** required to complete this form.

SECTION C - GENERAL INFORMATION

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B ,effective 09/29/1986
- Parcel Map/Tract Map/Approximate Study: na

SECTION D - FINDINGS

The proposed structure is located in an area subject to flooding from J&D canal and is:

- Within FEMA FIRM Zone A
- Within Parcel Map/Tract Map/Approximate Study limits.

Therefore, the 100-year storm event flood conditions are as follows:

- Base flood elevation of 334.4 feet NGVD
- Flow depth of 0 feet
- Average flow velocity of 0 feet per second

SECTION E - FLOOD PROTECTION REQUIREMENTS

All structures shall be elevated one foot above the 100-year flow depth or the base flood elevation.

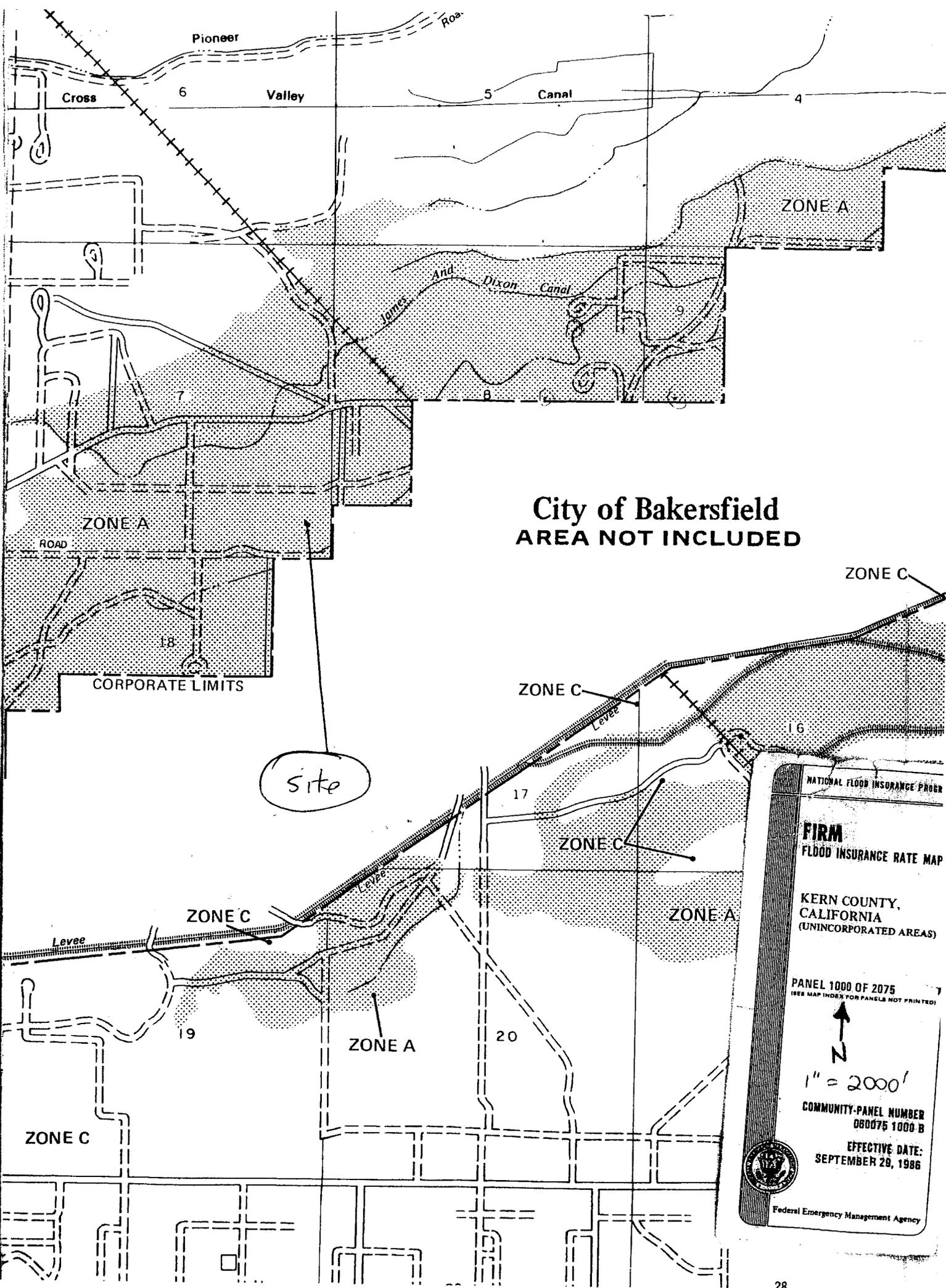
The **finished floor** of a building shall be elevated to a minimum height of:

- feet above the prevailing ground level (see note) at the side of the proposed structure.
- 335.4 NGVD. This elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the elevation Certificate form provided by Kern County.

The **foundation footing depth** of the building shall be:

- feet below adjacent grade

Note: Prevailing ground is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.



**City of Bakersfield
AREA NOT INCLUDED**

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

↑
N

1" = 2000'

COMMUNITY-PANEL NUMBER
080075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency

7201

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

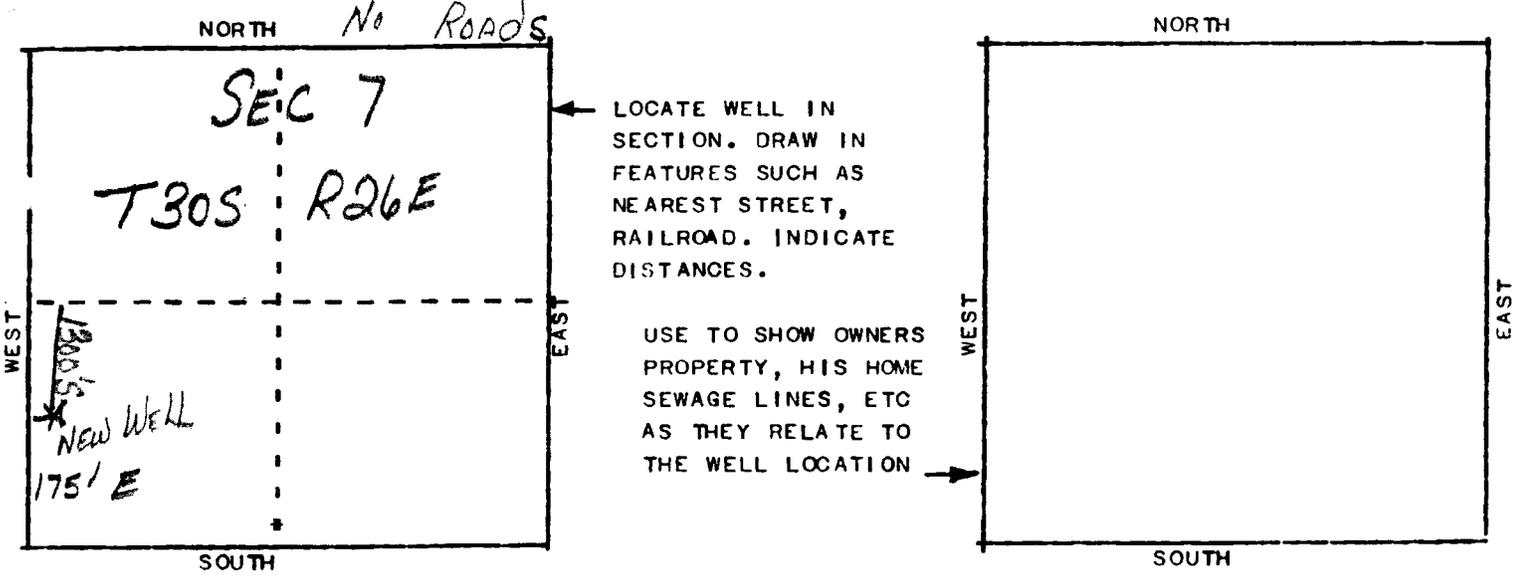
DILLING COMPANY
NAME AND ADDRESS K+D DRILLING C57 288 763
6201 WIBLE RD SP64 BAKERSFIELD, CA LICENSE NUMBER

PLAN TO COMMENCE DRILLING , DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY , CABLE , _____ TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL , PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY TENNECO WEST INC
WHOSE MAILING ADDRESS IS PO BOX 380, BAKERSFIELD, CA 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1300' S + 175' E. OF W/4 COR. SEC 7,
T30S R26E MD

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Donny C Lynch AS AGENT FOR K+D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED APPROVED SUBJECT TO THE FOLLOWING CONDITIONS _____
BY Dennis Healy "A" _____
KERN COUNTY PLANNING COMMISSION
DATE: 12-1-75

HEALTH DEPT. - REMARKS: _____
BY: _____
DATE: _____
PERMIT NO. _____

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

MAY 07 2001

May 4, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 161-040-20, T30S, R26E, Section 07-Q, has been received and reviewed.

In addition to the general conditions listed on the back side of the application for a well permit, the following additional condition will apply to well construction:

- The casing shall be elevated 2' above the prevailing ground level according to the flood review.

Guidelines for obtaining final approval of your well permit are outlined in the enclosure.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a large, stylized flourish.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:dt

Enclosure

cc: Farm Pump & Irrigation, Drilling Consultant
File EH-834

Hardy\Water\2001\KWBA-w23 e-log

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-834

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 5/02/01 PROPOSED START DATE June 1, 2001
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-06
DRILLING CONTRACTOR KWBA Contractor's License 602118 Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 07 40 Acre Sub Q
PROPERTY DESCRIPTION: Assessor's Parcel No.: 161-040-20
SITE ADDRESS if available: N/A TOTAL ACRES: 441.82
DIRECTIONS to Well Site: Take Enos Lane about 2 miles south of Stockdale Hwy. Go about 1/2 mile east, then 1/4 mile north.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes
 No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes
 No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearance prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature [Signature] Date _____ Authorized Agent or Agency [Signature] Date 5/2/200

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>325</u> Date Paid: <u>5/2/01</u></p> <p>Receipt # <u>HEB-70</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (# <u>036496</u>)</p> <p>Fee received by: <u>W. SULLINS</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>5/2/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

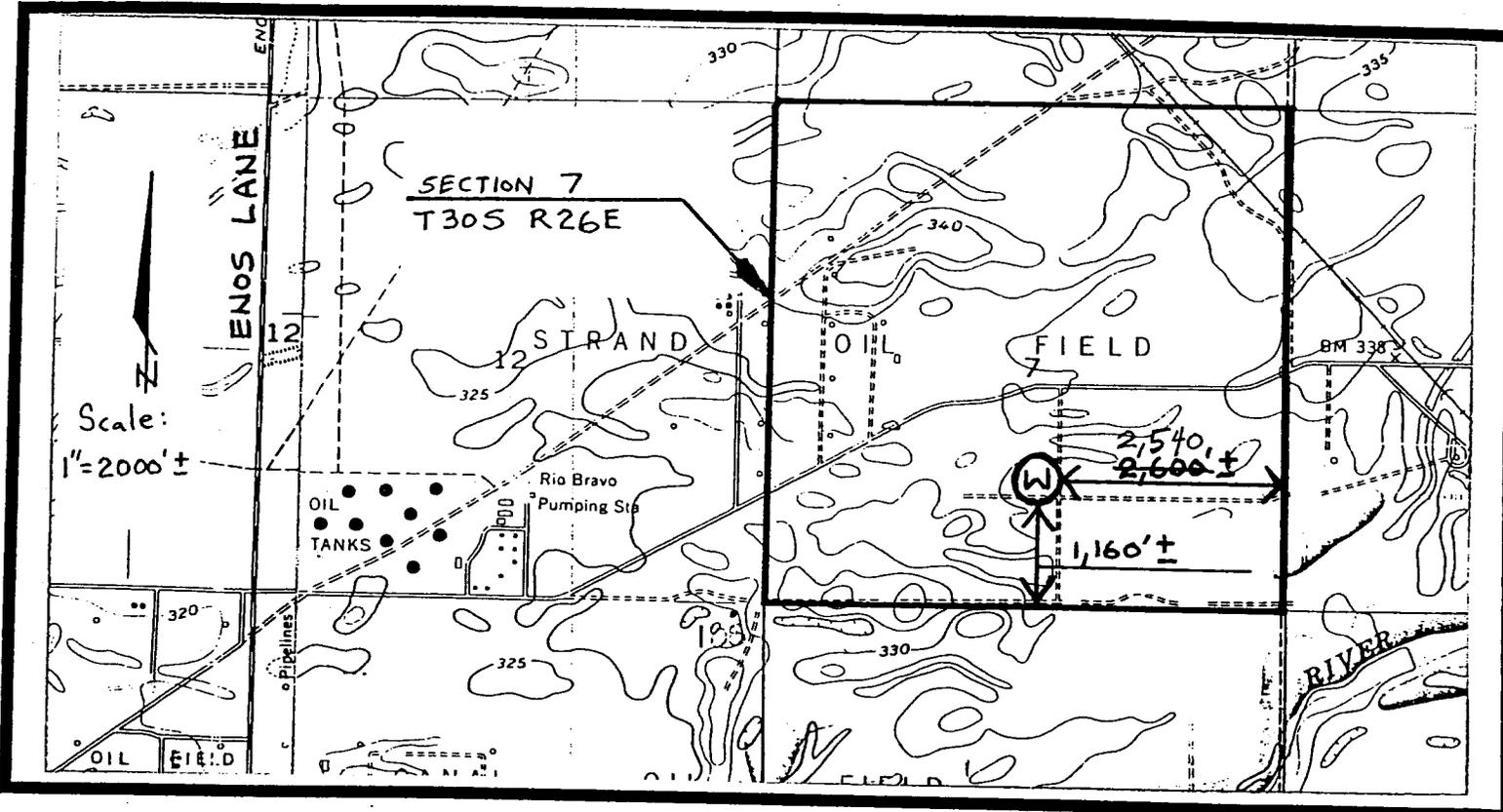
REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

* Elevate casing 2' above grade per Standard Review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.: 7

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Well	R

1- _____ One Mile _____ -1

**FLOOD PROTECTION REQUIREMENTS
FOR A WELL**

APPLICANTS.COM

In response to a request dated 5/3/01, a flood hazard evaluation was performed for

Building Permit Number: _____

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 161-040-20

Street Address: Munzer Rd.

Section Township/Range: Sec. 7, T. 30S., R. 26E.

Date completed: 5/3/01 File: 146.1.122.7.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$180 \$15 is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0 ~~foot~~ feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: [Signature]

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.
GENERAL INFORMATION:

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000B effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____ effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from Kern River and is

- Within FEMA FIRM Zone A.
- Within FEMA FBFM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of _____ foot/feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

If you have any questions regarding this matter, please contact **Clark Farr** of the Floodplain Management Section of this Department at (661) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

MAR 19 2004

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

March 17, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 524-030-04, T30S, R26E, Section 7-R, has been received and reviewed. Your permit number is EH-2049.

In addition to the general conditions listed on the back side of the application for a well permit, the following additional condition will apply to well construction:

- This well is located within a flood zone. According to the March 12, 2004, Flood Protection Requirements, the well shall be located at an elevation of 335.4 NGVD. This elevation is to be certified as being true and correct prior to final approval of the well.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

cc: Farm Pump and Irrigation
File EH-2049

(water\hardy\eh2049-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-2009

APPLICATION FOR PERMIT TO well 711
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-2-4 PROPOSED START DATE 3-9-4

OWNER: HERAL WATER BANK AUTHORITY Phone: 661-399-8735

Mailing Address: Box 80607 City: BAKERSFIELD Zip: 93380-0607

DRILLING CONTRACTOR: F.P.T Contractor's License 602148 Phone: 661-587-6901

Address: Box 1477 City: SHAFTER Zip: 93203

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 305 R 22E Sec. 7 40 Acre Sub R

PROPERTY DESCRIPTION: Assessor's Parcel No.: 524 030-04

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENG'S LN TO MINDER GO EAST ON MINDER 3/4 MI THEN NORTH 1/4 TO LOCATION

TYPE OF WORK TO BE DONE: (check one) New Well Deepen Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 20 To 120 Feet

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 400 Feet
Min. 200 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 20 To 20 Feet
From _____ To _____ Feet

PROPOSED CASING:
Type STEEL
Diameter 20
Gauge/Wall 3/8
Conductor Depth 40

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 150
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Mike H. H. Date 3-2-4

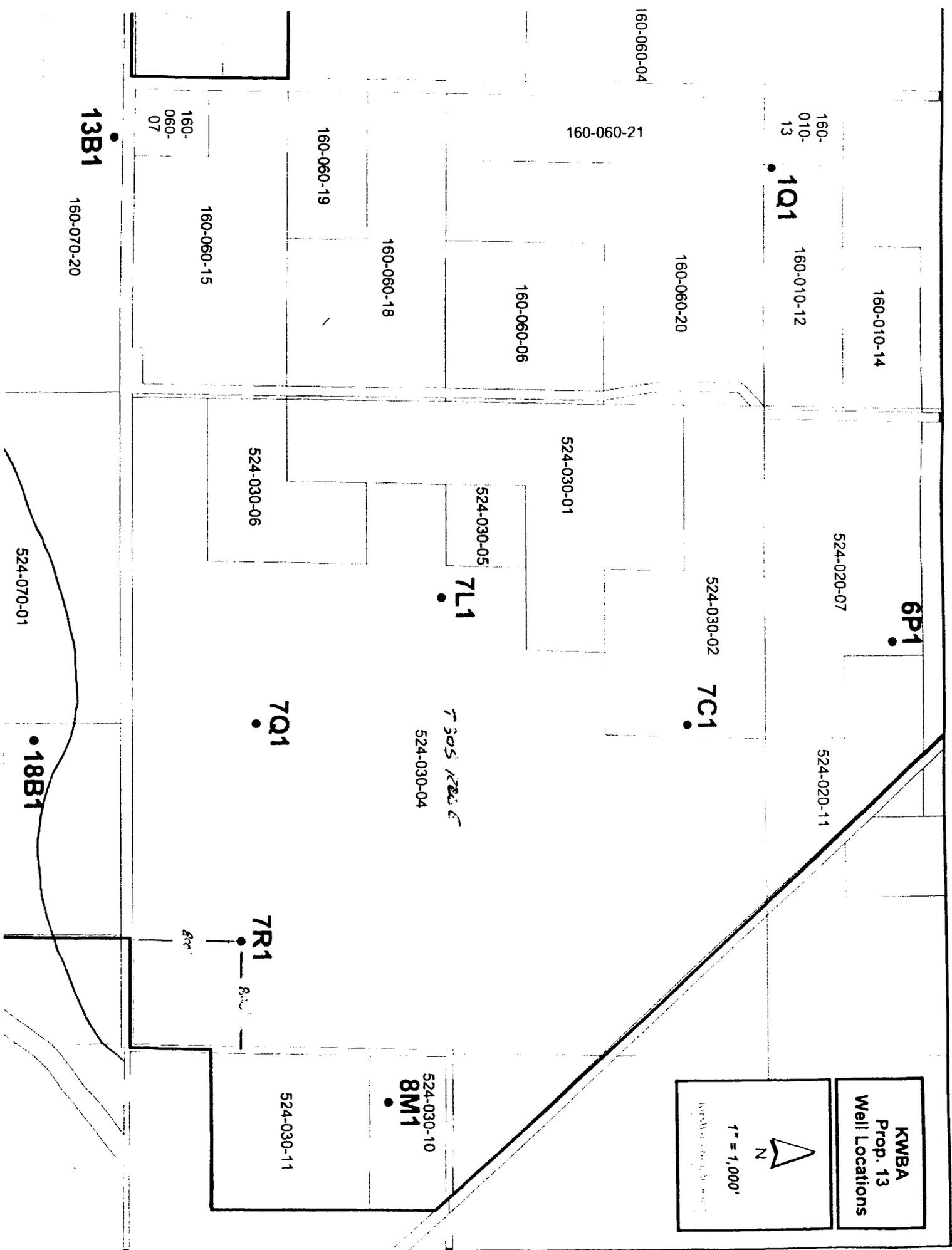
<p><i>Internal use only</i> Permit Approved: <u>[Signature]</u> Date: <u>3-16-04</u> Expiration Date: _____</p>	<p>Total Fee: _____ Date Paid: _____ Receipt # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Check (# _____) Fee received by: _____</p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No By: <u>Lance Mack</u> Date: <u>3/2/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <u>[Signature]</u> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED.

**KWBA
Prop. 13
Well Locations**

North Arrow
1" = 1,000'
KWB-13-001



Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

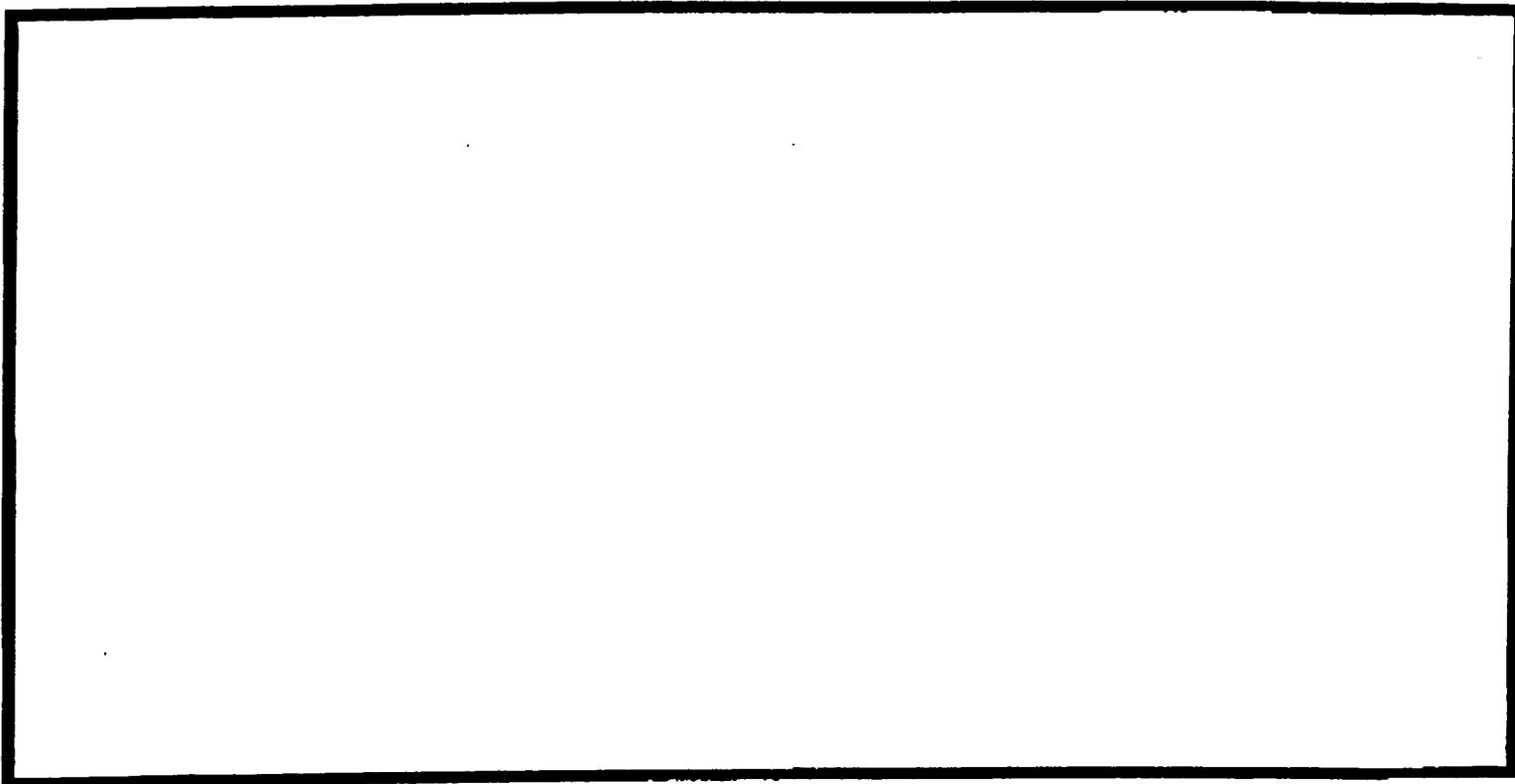
Parcel/Map/Tract _____

Parcel No. _____

Assessor's Parcel No. _____

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1



**KERN COUNTY
ENGINEERING & SURVEY SERVICES DEPARTMENT
FLOOD PROTECTION REQUIREMENTS
FOR A PROPOSED SINGLE FAMILY RESIDENCE**

APPLICANTS COPY

SECTION A - PROJECT INFORMATION

Applicant: Keen Water Bank
 Type of Structure: Well Permit No.: _____
 Street Address: #7L1
 Other Property Information: Tract: _____ Lot: _____ PM: _____ Parcel: _____
 Assessor's Parcel Number: 524-030-04 Section: 7 Township/Range: 30/26

FOR OFFICE USE ONLY:	
Prepared by:	<u>Falcone, R.</u>
Checked by:	<u>CEP</u>
Date Received:	<u>03/10/2004</u>
Date Completed:	<u>03/12/2004</u>
Elevation Cert Required:	<u>No</u>
Permit Finalized:	<u>No</u>
Microfilm No.:	_____
File No.:	<u>38.7</u>

SECTION B - FEE and ELEVATION CERTIFICATE REQUIREMENTS

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$0.00 s required.

ELEVATION CERTIFICATE:

The attached Elevation Certificate **must** be completed by a licensed land surveyor or engineer and returned to the building inspector **PRIOR TO PLACING THE FOUNDATION**. The Building Inspector may complete the Elevation Certificate if the requirements involve a height above natural ground, however, the Building Inspector is **NOT** required to complete this form.

SECTION C - GENERAL INFORMATION

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B, effective 09/29/1986
- Parcel Map/Tract Map/Approximate Study: na

SECTION D - FINDINGS

The proposed structure is located in an area subject to flooding from J&D Canal and is:

- Within FEMA FIRM Zone A
- Within Parcel Map/Tract Map/Approximate Study limits.

Therefore, the 100-year storm event flood conditions are as follows:

- Base flood elevation of 334.4 feet NGVD
- Flow depth of 0 feet
- Average flow velocity of 0 feet per second

SECTION E - FLOOD PROTECTION REQUIREMENTS

All structures shall be elevated one foot above the 100-year flow depth or the base flood elevation.

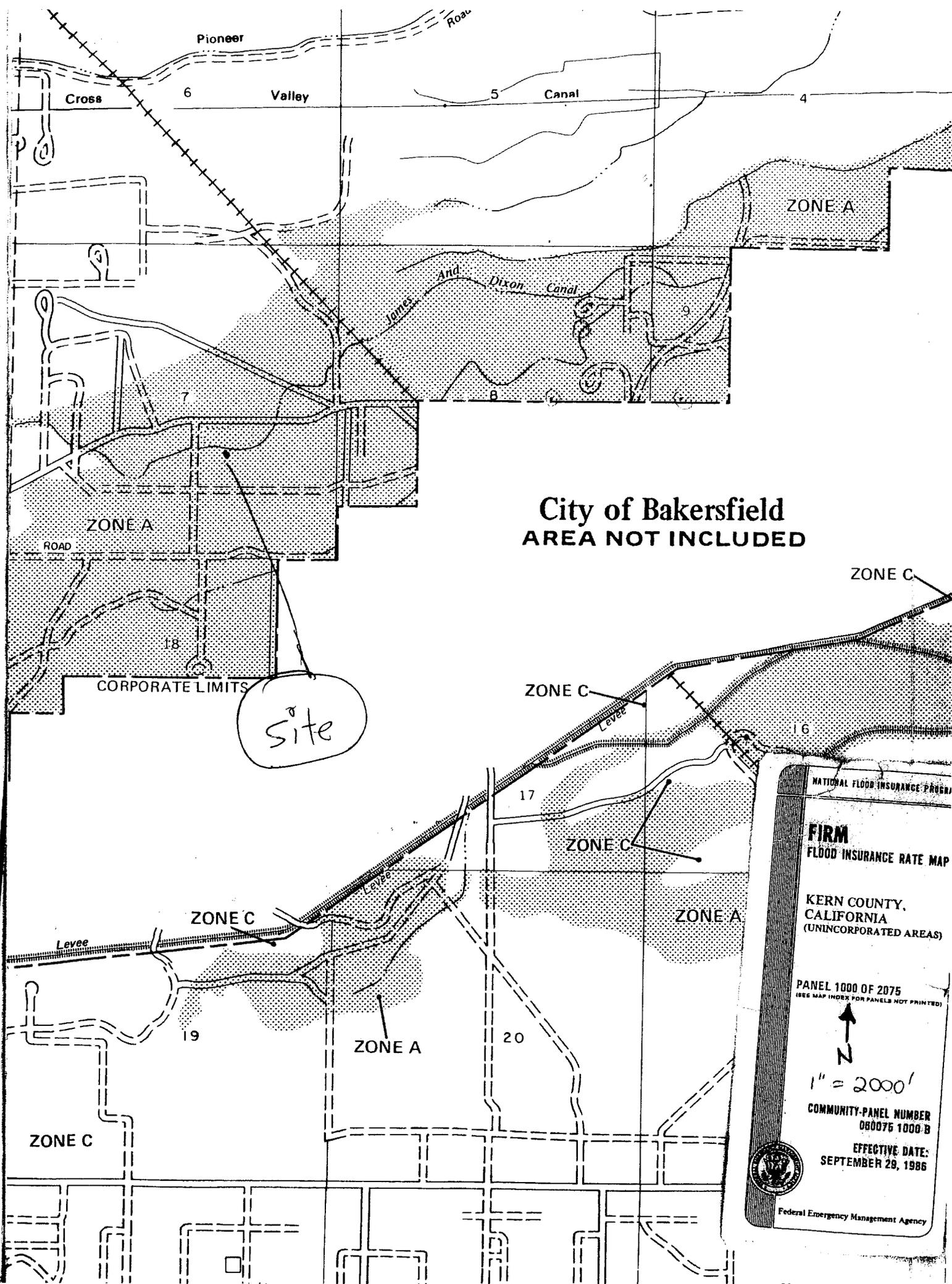
The **finished floor** of a building shall be elevated to a minimum height of:

- feet above the prevailing ground level (see note) at the _____ side of the proposed structure.
- 335.4 NGVD. This elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the elevation Certificate form provided by Kern County.

The **foundation footing depth** of the building shall be:

- _____ feet below adjacent grade

Note: Prevailing ground is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.



**City of Bakersfield
AREA NOT INCLUDED**

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

↑
N

1" = 2000'

COMMUNITY-PANEL NUMBER
080076 1000-B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency

MAR 19 2004

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

STEVE McCALLEY, R.E.H.S., Director

2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



RESOURCE MANAGEMENT AGENCY

DAVID PRICE III, RMA DIRECTOR

Community and Economic Development Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

March 17, 2004

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your application for a permit to construct an agricultural well located on APN 524-030-10, T30S, R26E, Section 8-M, has been received and reviewed. Your permit number is EH-2051.

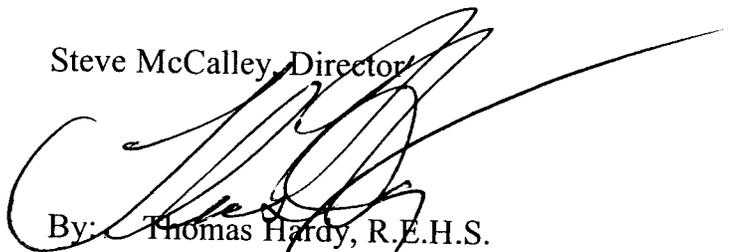
In addition to the general conditions listed on the back side of the application for a well permit, the following additional condition will apply to well construction:

- This well is located in a flood zone. According to the March 12, 2004, Flood Protection Requirements, the well shall be located at a base flood elevation of 335.4 NGVD. This elevation is to be certified as being true and correct prior to final approval of the well.

If you have any questions about your well, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: 
Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump and Irrigation
File EH-2051

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-2051

APPLICATION FOR PERMIT TO WELL 2011
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 3-2-4 PROPOSED START DATE 3-9-4

OWNER: KERN WATER BANK AUTHORITY Phone: 661-359-8735

Mailing Address: Box 80007 City BAKERSFIELD Zip: 93380-0007

DRILLING CONTRACTOR F.P.I. Contractor's License 602148 Phone: 661-589-0901

Address: Box 1477 City: SHAPER Zip: 93205

SUBCONTRACTOR: _____ Phone: _____

Address: _____ City: _____ Zip: _____

LOT OR PREMISES: T 305 R 200 Sec. 8 40 Acre Sub M

PROPERTY DESCRIPTION: Assessor's Parcel No.: 524-030-10

SITE ADDRESS if available: _____ TOTAL ACRES: _____

DIRECTIONS to Well Site: ENR'S LOC TO PLUMBER PLUMBER CO ENR'S 179 MI
THEN 3/4 MI NORTH TO LOCATION

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

The lot or premises is within 300 feet of a community services district or public water system willing and able to supply domestic water. Yes No

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

PROPOSED CASING:

Type STEEL
Diameter 20"
Gauge/Wall 3/16
Conductor Depth 40'

SEALING MATERIAL (check one)

Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)

Yes No +
From 400 To 150 Feet

PROPOSED ANNULAR SEAL DEPTH:

Unconsolidated 150'
Hardrock _____

PROPOSED WELL CONSTRUCTION (DEPTH)

Max. 700 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:

From 800 To 200 Feet
From _____ To _____ Feet

PENETRATES TWO OR MORE AQUIFERS

Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A

DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Sp. Health Date 3-2-4

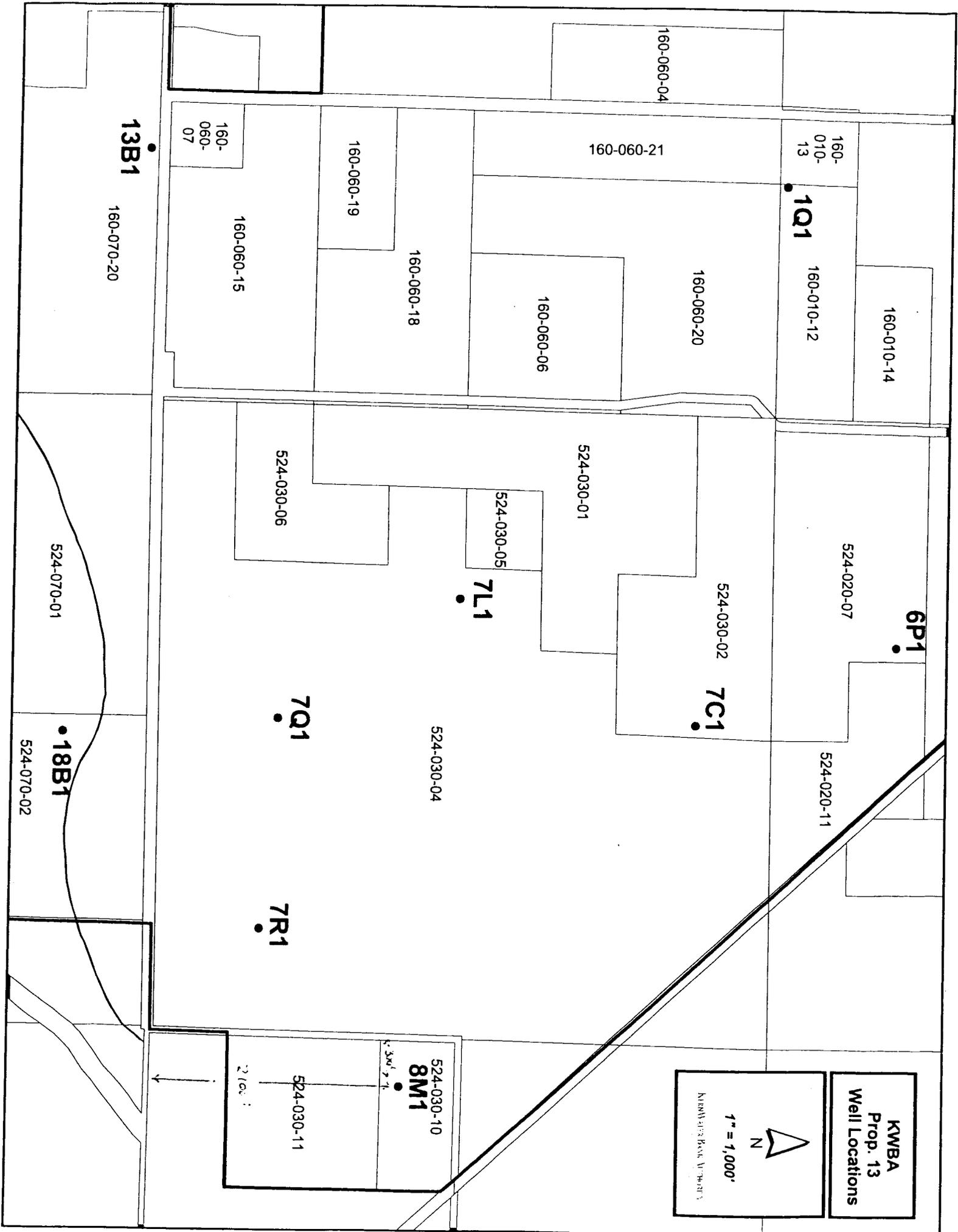
<p><i>Internal use only</i> Permit Approved: <u>[Signature]</u> Date: <u>3-16-04</u> Expiration Date: _____</p>	<p>Total Fee: _____ Date Paid: _____ Receipt # _____ <input type="checkbox"/> Cash <input type="checkbox"/> Check (# _____) Fee received by: _____</p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>L. M. M. M.</u> Date: <u>3/2/04</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

**KWBA
Prop. 13
Well Locations**

1" = 1,000'
N
MERRILL & ASSOCIATES

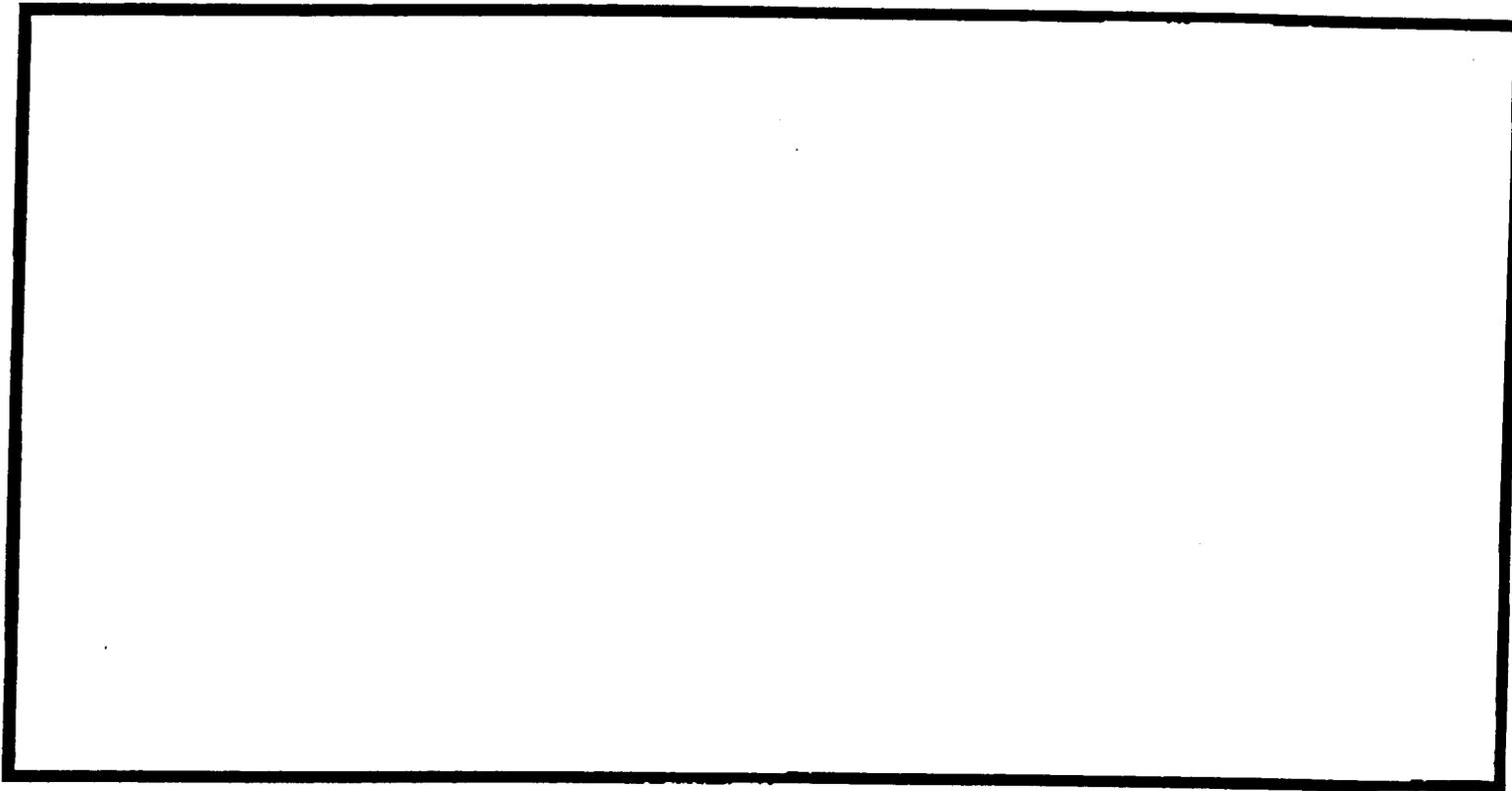


Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701

Parcel/Map/Tract _____
Parcel No. _____
Assessor's Parcel No. _____

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

Section No.:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1



**KERN COUNTY
ENGINEERING & SURVEY SERVICES DEPARTMENT
FLOOD PROTECTION REQUIREMENTS
FOR A PROPOSED SINGLE FAMILY RESIDENCE**

APPLICANTS COPY

SECTION A - PROJECT INFORMATION

Applicant: Kern Water Bank
 Type of Structure: Well Permit No.:
 Street Address: 8M1
 Other Property Information: Tract: Lot: PM: Parcel:
 Assessor's Parcel Number: 524-030-10 Section: 8 Township/Range: 30/26

FOR OFFICE USE ONLY:	
Prepared by:	Falcone, R.
Checked by:	CEP
Date Received:	03/10/2004
Date Completed:	03/12/2004
Elevation Cert Required:	No
Permit Finalized:	No
Microfilm No.:	
File No.:	38.7

SECTION B - FEE and ELEVATION CERTIFICATE REQUIREMENTS

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$0.00 s required.

ELEVATION CERTIFICATE:

The attached Elevation Certificate **must** be completed by a licensed land surveyor or engineer and returned to the building inspector **PRIOR TO PLACING THE FOUNDATION**. The Building Inspector may complete the Elevation Certificate if the requirements involve a height above natural ground, however, the Building Inspector is **NOT** required to complete this form.

SECTION C - GENERAL INFORMATION

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B ,effective 09/29/1986
- Parcel Map/Tract Map/Approximate Study: na

SECTION D - FINDINGS

The proposed structure is located in an area subject to flooding from J&D Canal and is:

- Within FEMA FIRM Zone A
- Within Parcel Map/Tract Map/Approximate Study limits.

Therefore, the 100-year storm event flood conditions are as follows:

- Base flood elevation of 335.4 feet NGVD
- Flow depth of 0 feet
- Average flow velocity of 0 feet per second

SECTION E - FLOOD PROTECTION REQUIREMENTS

All structures shall be elevated one foot above the 100-year flow depth or the base flood elevation.

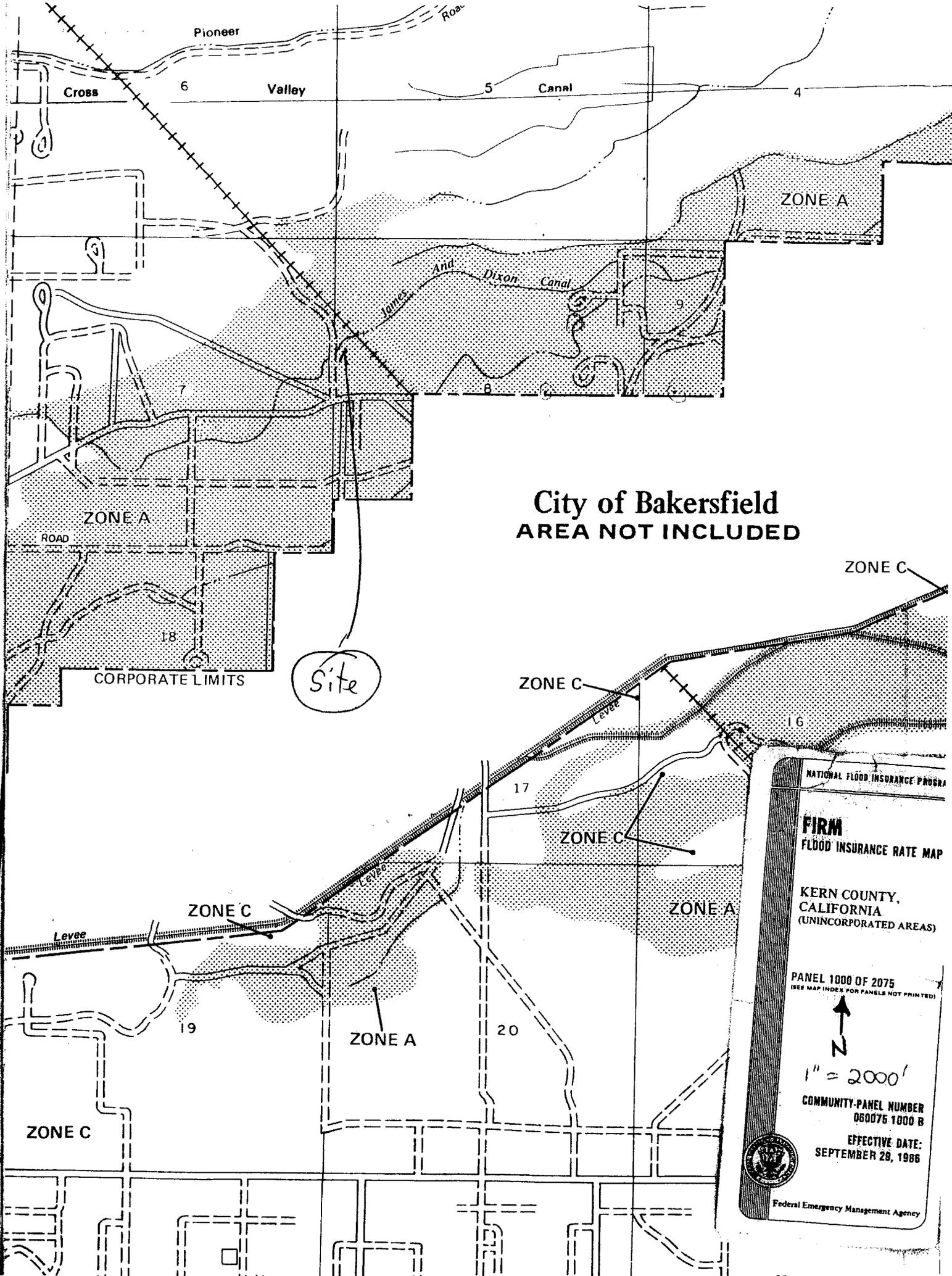
The **finished floor** of a building shall be elevated to a minimum height of:

- feet above the prevailing ground level (see note) at the side of the proposed structure.
- 336.4 NGVD. This elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the elevation Certificate form provided by Kern County.

The **foundation footing depth** of the building shall be:

- feet below adjacent grade

Note: Prevailing ground is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.



**City of Bakersfield
AREA NOT INCLUDED**

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY,
CALIFORNIA
(UNINCORPORATED AREAS)

PANEL 1000 OF 2075
(SEE MAP INDEX FOR PANELS NOT PRINTED)

↑
N

1" = 2000'

COMMUNITY-PANEL NUMBER
060075 1000 B

EFFECTIVE DATE:
SEPTEMBER 29, 1986



Federal Emergency Management Agency

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 28, 2001

MAR 02 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three agricultural wells have been received and reviewed. The wells will be located as follows:

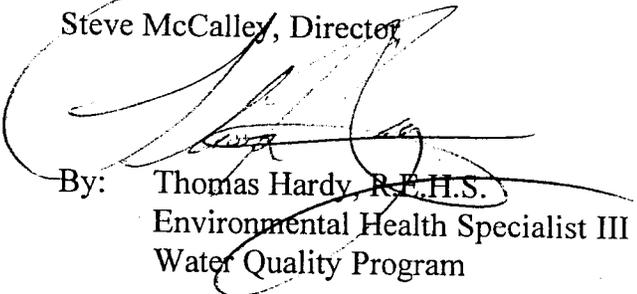
<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-764	161-100-25	T30S, R26E, Section 19-G
EH-765	161-090-07	T30S, R26E, Section 17-Q
EH-766	161-100-13	T30S, R26E, Section 20-C

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By:  Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

cc: Farm Pump and Irrigation, Drilling Consultant
Files EH-764, EH-765, EH-766

(water\hardy\water bank-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-765

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-060
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 26E Sec. 17 40 Acre Sub Q
PROPERTY DESCRIPTION: Assessor's Parcel No.: 161-090-070
SITE ADDRESS if available: N/A TOTAL ACRES: 124.87
DIRECTIONS to Well Site: Take Ends Lane 4 miles south of Stockdale Hwy to Panama Lane. Go east about 2 1/2 miles. Go north about 1 mile.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Her Jimenez Date 2/22/01

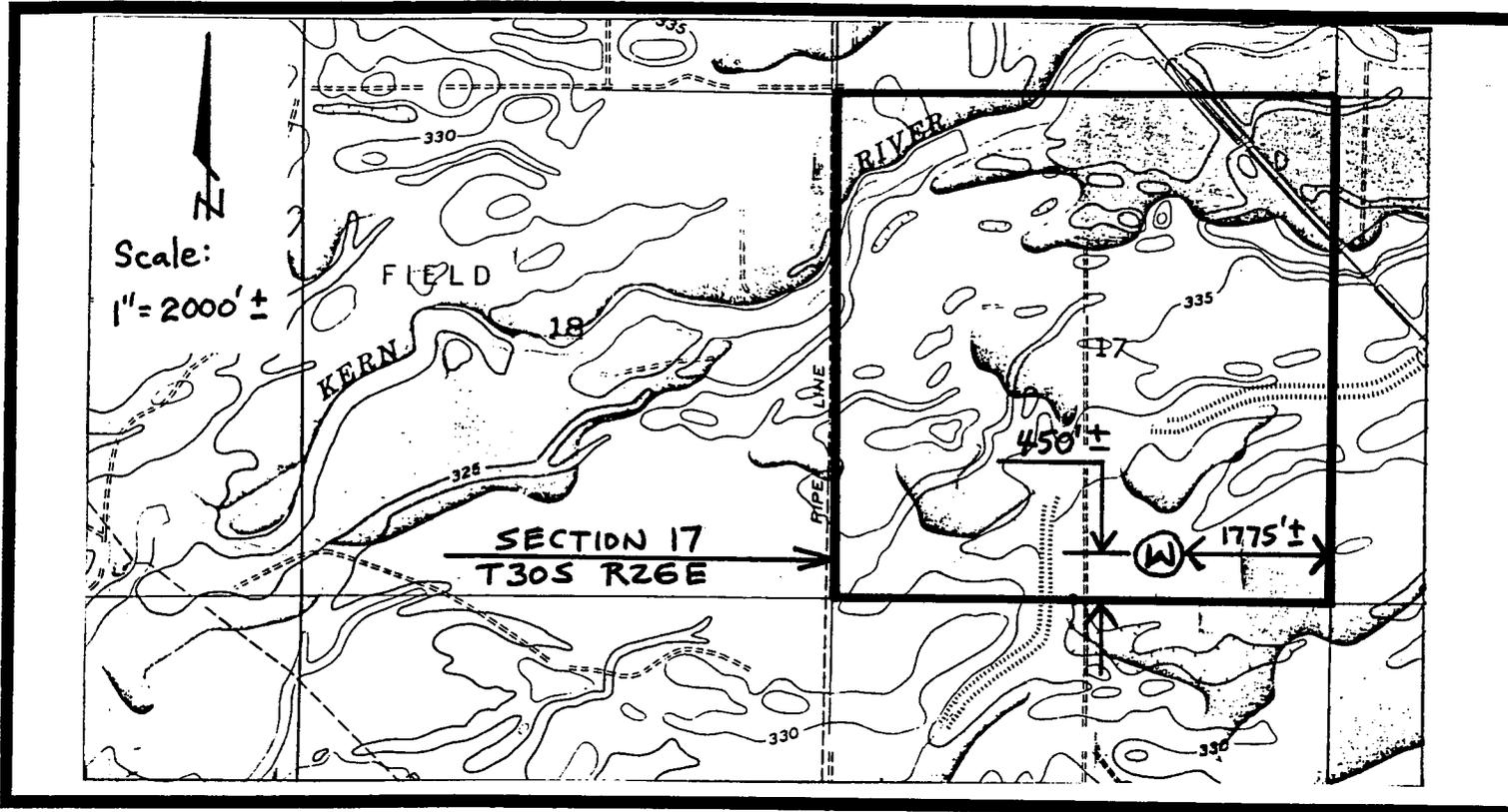
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u> Receipt # <u>142166</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>03094</u>) Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>[Signature]</u> Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R26E Section No.: 17

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q Well	R

1- _____ One Mile _____ -1

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 28, 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

MAR 05 2001

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct two agricultural wells have been received and reviewed. The wells will be located as follows:

<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-767	160-070-19	T30S, R25E, Section 13-P
EH-768	161-090-10	T30S, R26E, Section 18-B

In addition to the general conditions listed on the back side of each application for a well permit, the following additional condition will apply to well construction:

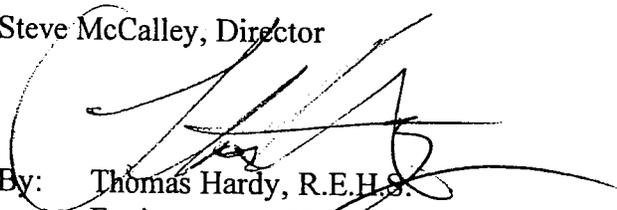
- The final casing height shall be two (2) feet above the prevailing ground level, according to the Flood Review.

Guidelines for obtaining final approval of your wells are outlined in the enclosure.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By: 
Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

Enclosure

cc: Farm Pump and Irrigation, Drilling Consultant
Files EH-767, EH-768
(water\hardy\water bank-w23 cond)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-768

APPLICATION FOR PERMIT TO CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
 OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
 Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0600
 DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
 Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR- DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6901
 Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 26E Sec. 18 40 Acre Sub B
 PROPERTY DESCRIPTION: Assessor's Parcel No.: 161-090-10
 SITE ADDRESS if available: N/A TOTAL ACRES: 135
 DIRECTIONS to Well Site: Take Enos Lane about 2 1/2 miles south of Stockdale Hwy. Go east about 1 1/2 miles then north about 1/4 mile.

TYPE OF WORK TO BE DONE: (check one)
 New Well
 Reconstruction
 Deepen
 Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
 From 900 To 200 Feet

PROPOSED CASING:
 Type STEEL
 Diameter 20"
 Gauge/Wall 3/8"
 Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
 Max. 900 Feet
 Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
 From 880 To 220 Feet
 From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
 Unconsolidated 200' ±
 Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
 DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Hed Jim Date 2/22/01

<p><i>Internal use only</i></p> <p>Permit Approved: _____</p> <p>Date: _____</p> <p>Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u></p> <p>Receipt # <u>14266</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>03694</u>)</p> <p>Fee received by: <u>UM. SALINC</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u></p> <p>Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>By: <u>[Signature]</u></p> <p>Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

Elevate casing 2' above grade per Flood review.

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

The documents reviewed to perform this evaluation are as indicated:

- FEMA Flood Insurance Rate Map (FIRM), Community Panel No. 060075 1000 B
effective September 6, 1995.
- FEMA Flood Boundary & Floodway Map (FBFM), Community Panel No. 060075 _____
effective September 6, 1995.
- Parcel Map/Tract Map/Approximate Study _____

BASIS:

The well site is located in an area subject to flooding from Kern River

Within FEMA FIRM Zone A _____ and is:

- Within FEMA FIRM limits (see alternate #2).
- Within Parcel Map/Tract Map/Approximate Study limits. The flood hazard area is designated as:
 - Floodplain Primary (see alternate #2). Floodplain Secondary
 - Floodplain Zone A.

Therefore, the 100-year storm event flood conditions are as follows:

- Flow depth of _____ foot/feet
- Base flood elevation of _____ feet NGVD
- Average flow velocity of _____ feet per second

ALTERNATIVE #1:

Submit a detailed design and analysis by a Registered Civil Engineer. The design shall be prepared with sufficient calculations and information to indicate compliance with the above-stated flood protection requirements.

ALTERNATE #2:

All facilities to be located underground and protected by flood control devices approved by this Department and constructed so as to minimize infiltration of flood waters, in accordance with the requirements of the Kern County Environmental Health Department and this Department.

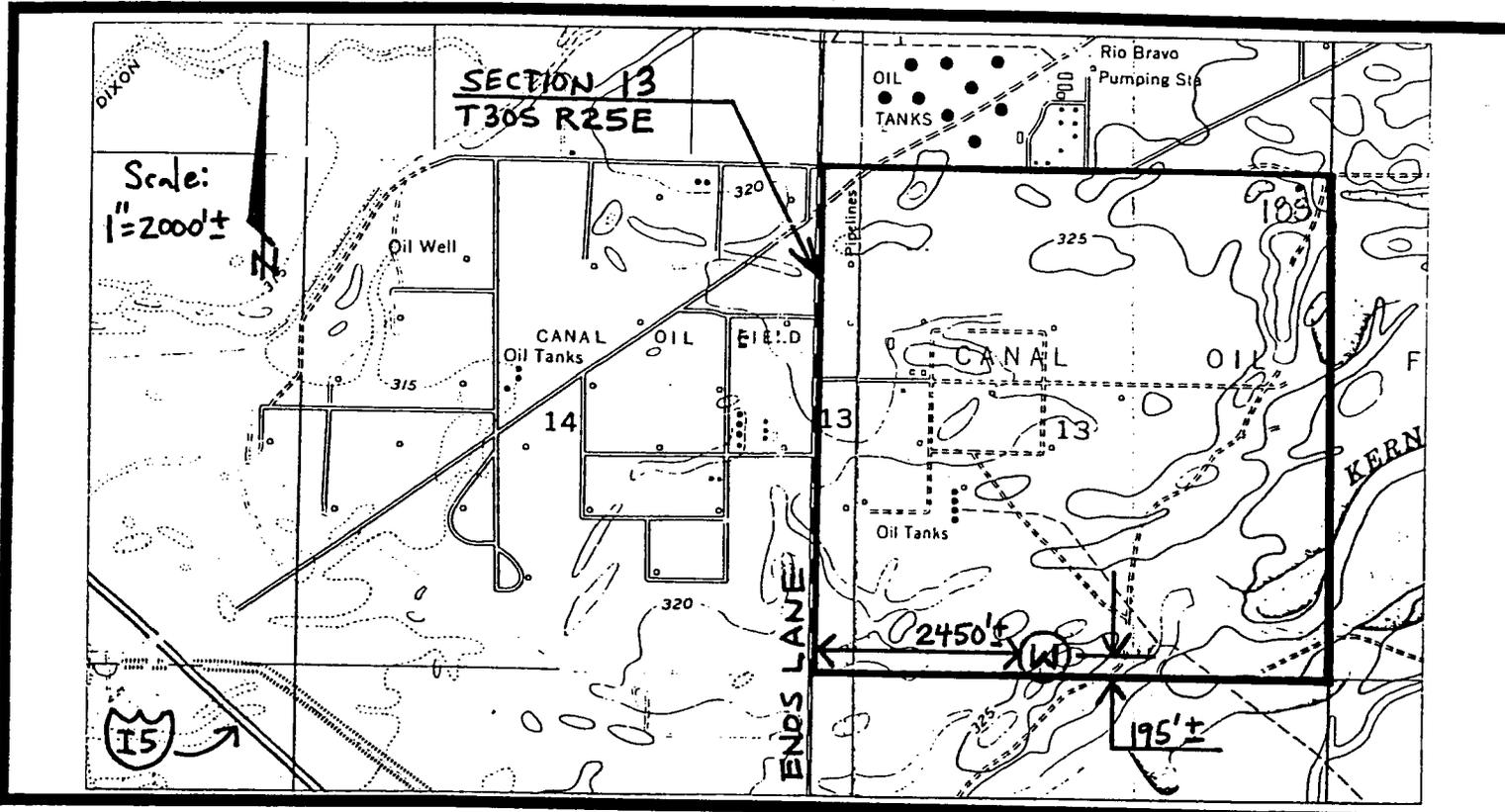
If you have any questions regarding this matter, please contact Clark Farr of the Floodplain Management Section of this Department at (661) 862-5100.

Attachments

- cc: Owner/Applicant/Building Inspection Division- Bakersfield/Frazier Park
- Lake Isabella/Ridgecrest/Mojave/Tehachapi

LOCATION

- A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



- B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R25E Section No.: 13

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Well Q	R

1- _____ One Mile _____ -1

FLOOD PROTECTION REQUIREMENTS FOR A WELL

In response to a request dated 2/22/01, a flood hazard evaluation was performed for

Building Permit Number: Well B

Applicant: Kern Water Bank Authority

Assessor's Parcel Number: 161-090-10

Street Address: Enos Ln 2 1/2 miles south of Stockdale

Section Township/Range: Sec. 18, T. 30 S., R. 26 E.

Date completed: 2/23/01 File: 141.1.122.18.1

SETTING OF REQUIREMENTS AND FEE:

Flood protection requirements are hereby set and a fee of \$180 \$15 is required. Previous permit no. _____

The flood protection measures stated herein are based on the best available information and represent the minimum requirements necessary to promote the public health, safety, and general welfare and minimize public and private losses due to flood conditions. The flood conditions are based on the current estimated 100-year storm event, which may change as additional hydrologic data become available. If, as a result of the additional hydrologic data, the 100-year event were to increase, the degree of protection provided by these measures will be reduced.

FLOOD PROTECTION REQUIREMENTS

The top of the well casing shall be elevated to a minimum height of:

2.0' foot/feet above the prevailing ground level (see note) at the location of the well site.

_____ NGVD. This top of casing elevation is to be certified as being true and correct by a Registered Civil Engineer or a Licensed Land Surveyor on the Well Casing Elevation Certificate form provided by Kern County. The datum is referenced to the NGVD of 1929.

_____ foot/feet above the prevailing ground level (see note) at the location of the well site or one foot above the possible backwater condition, whichever is higher. A possible backwater condition exist behind the _____

Reviewed by: _____

Note: Prevailing ground level is the highest natural elevation of the ground surface prior to construction, upstream and next to the proposed walls of the structure.

GENERAL INFORMATION:

DRILLING COMPANY
NAME AND ADDRESS

SLATE WELL DRILLING
PO Box 187 STATEFORD CA, 93266

C57 288 763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN

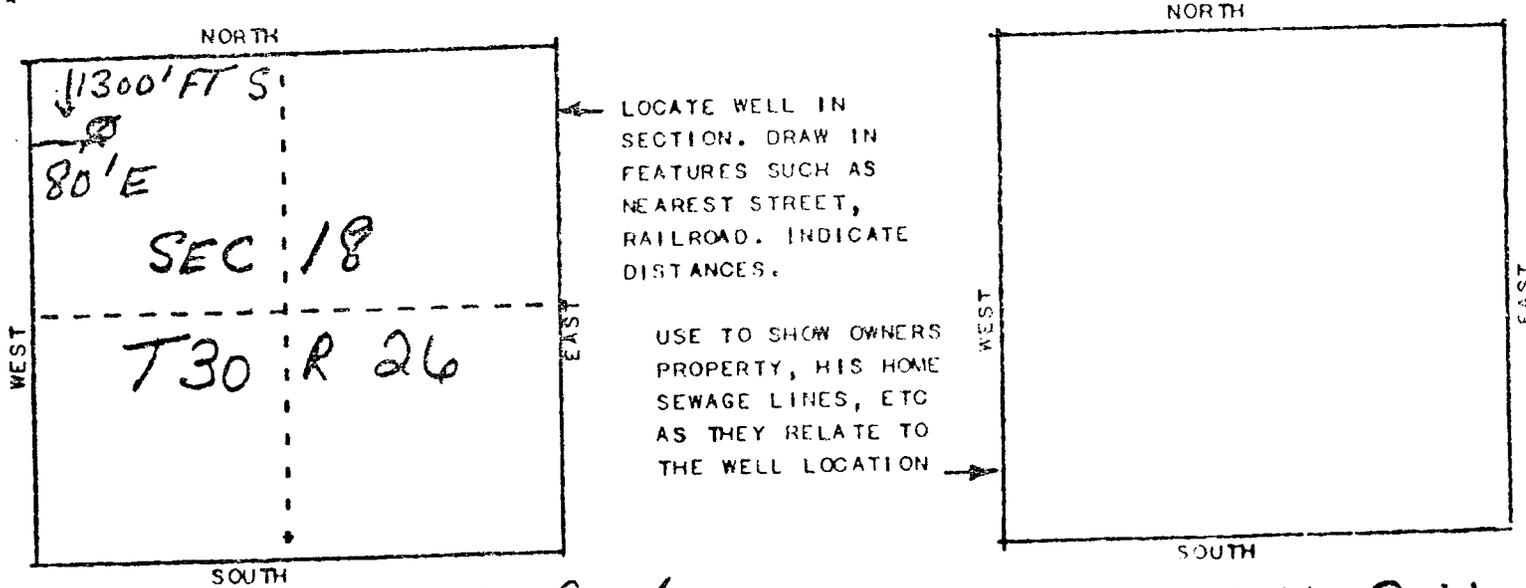
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

ON PROPERTY OWNED BY TENNECO WEST INC

WHOSE MAILING ADDRESS IS PO Box 380, BAKERSFIELD CA 93302

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:
1300' S L 80' E OF NW CORNER SECTION 18, 30/26

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: Danny C Lynch AS AGENT FOR SLATE WELL DRILLING
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED / APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :
BY [Signature] A

KERN COUNTY PLANNING COMMISSION
DATE: 6-27-74

HEALTH DEPT. - REMARKS:

BY:
DATE:
PERMIT NO.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 28, 2001

MAR 6 2 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three agricultural wells have been received and reviewed. The wells will be located as follows:

<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-764	161-100-25	T30S, R26E, Section 19-G
EH-765	161-090-07	T30S, R26E, Section 17-Q
EH-766	161-100-13	T30S, R26E, Section 20-C

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

A handwritten signature in black ink, appearing to read "Thomas Hardy", written over a circular stamp or seal.

By: Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

cc: Farm Pump and Irrigation, Drilling Consultant
Files EH-764, EH-765, EH-766

(water\hardy\water bank-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-764

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-060
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR: DRILLING CONSULTANT: FARM PUMP INC.~~ Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 26E Sec. 19 40 Acre Sub G
PROPERTY DESCRIPTION: Assessor's Parcel No.: 161-100-25
SITE ADDRESS if available: N/A TOTAL ACRES: 40877
DIRECTIONS to Well Site: Take Enos Lane 4 miles south to Panama Lane. Go east about 3/4 mile, then north about 1/2 mile.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE:
 Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD:
 Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one)
 Neat Cement
 Cement Grout
 Concrete
 Other _____

GRAVEL PACK: (check one)
 Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS
 Yes No

PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent Hal Simmons or Agency _____ Date 2/22/01

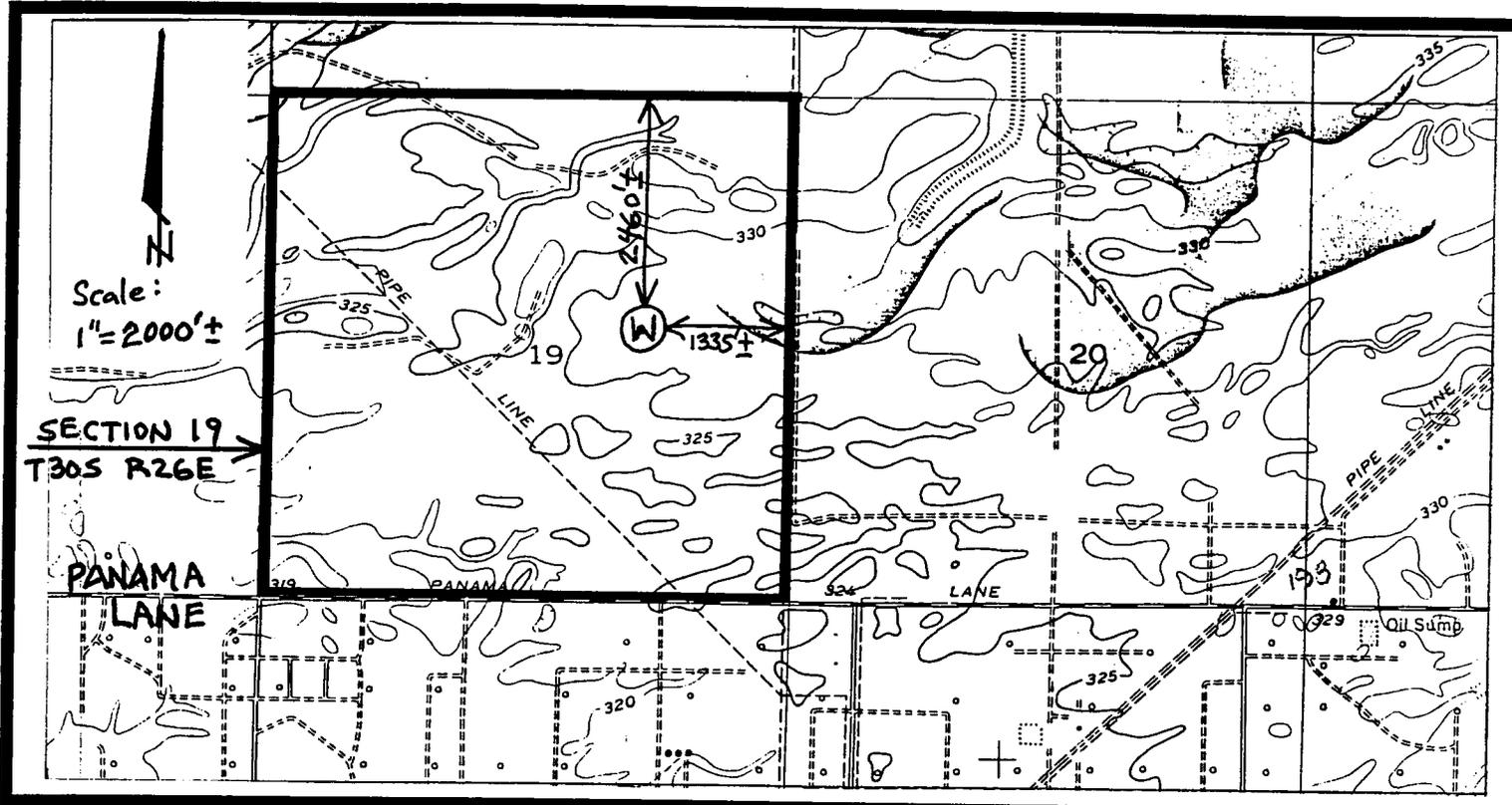
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u> Receipt # <u>14766</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>036994</u>) Fee received by: <u>YM. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>F. Chrusel</u> Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: center;"><u>JD</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R26E Section No.: 19

D	C	B	A
E	F	G Well	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

122-14-7

19m01

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY

NAME AND ADDRESS

K&D Drilling
6201 Wible Rd sp64 09

C57288763
LICENSE NUMBER

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN

AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,

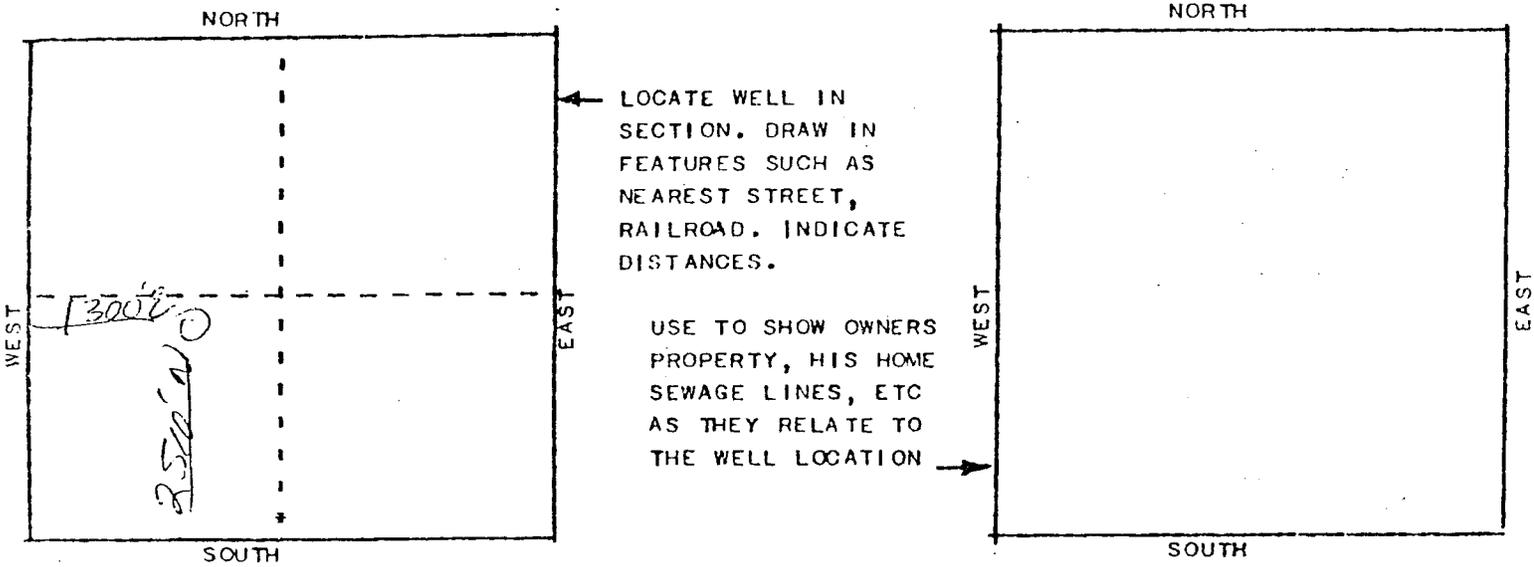
ON PROPERTY OWNED BY Tenneco West, Inc

WHOSE MAILING ADDRESS IS P.O. Box 9380 09

LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS:

2510' N and 1300' E of SW Cor
Sec 19 T30 R26

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



SUBMITTED BY: [Signature] AS AGENT FOR K&D Drilling
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED ✓ APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY [Signature]
KERN COUNTY PLANNING COMMISSION
DATE: 9/9/76

HEALTH DEPT. - REMARKS:

BY:

DATE:

PERMIT NO.

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

RESOURCE MANAGEMENT AGENCY

STEVE McCALLEY, R.E.H.S., Director
2700 "M" STREET, SUITE 300
BAKERSFIELD, CA 93301-2370
Voice: (661) 862-8700
Fax: (661) 862-8701
TTY Relay: (800) 735-2929
e-mail: eh@co.kern.ca.us



DAVID PRICE III, RMA DIRECTOR
Community Development Program Department
Engineering & Survey Services Department
Environmental Health Services Department
Planning Department
Roads Department

February 28, 2001

MAR 02 2001

Kern Water Bank Authority
P. O. Box 80607
Bakersfield, CA 93380-0607

Ladies and Gentlemen:

This is to advise you that your applications for permits to construct three agricultural wells have been received and reviewed. The wells will be located as follows:

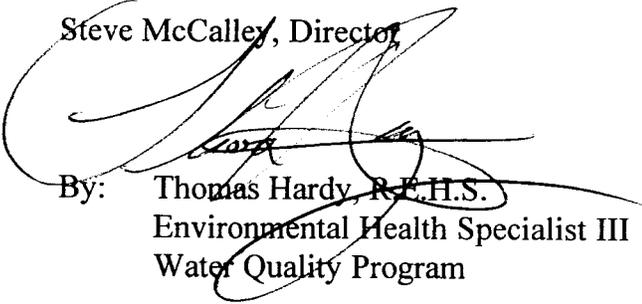
<u>Permit No.</u>	<u>APN</u>	<u>Township, Range, Section</u>
EH-764	161-100-25	T30S, R26E, Section 19-G
EH-765	161-090-07	T30S, R26E, Section 17-Q
EH-766	161-100-13	T30S, R26E, Section 20-C

No additional conditions will be required at this time.

If you have any questions about your wells, please contact our office at (661) 862-8700.

Sincerely,

Steve McCalley, Director

By:  Thomas Hardy, R.E.H.S.
Environmental Health Specialist III
Water Quality Program

TH:jrw

cc: Farm Pump and Irrigation, Drilling Consultant
Files EH-764, EH-765, EH-766

(water\hardy\water bank-w23b)

Kern County
Environmental Health Services Department
2700 "M" Street, Suite 300
Bakersfield, CA 93301
Phone (661) 862-8700
FAX (661) 862-8701



Permit # EH-766

APPLICATION FOR PERMIT TO
CONSTRUCTION, RECONSTRUCT, DEEPEN OR DESTROY A WELL

APPLICATION DATE: 02/22/01 PROPOSED START DATE 04/01/01
OWNER: KERN WATER BANK AUTHORITY Phone: (661) 399-8735
Mailing Address: P.O. Box 80607 City BAKERSFIELD Zip: 93380-0607
DRILLING CONTRACTOR KWBA Contractor's License _____ Phone: (661) 399-8735
Address: P.O. Box 80607 City: BAKERSFIELD Zip: 93380-0607
~~SUBCONTRACTOR~~ DRILLING CONSULTANT: FARM PUMP INC. Phone: (661) 589-6901
Address: P.O. Box 1477 City: SHAFTER Zip: 93263

JOB SITE: T 30S R 25E Sec. 20 40 Acre Sub C
PROPERTY DESCRIPTION: Assessor's Parcel No.: 161-100-13
SITE ADDRESS if available: N/A TOTAL ACRES: 4.03
DIRECTIONS to Well Site: Take Enos Lane 4 miles south of Stockdale Hwy, to Panama Lane. Go east about 2 1/4 miles, then north about 3/4 mile.

TYPE OF WORK TO BE DONE: (check one) New Well Deepen
 Reconstruction Destruction

INTENDED USE: Domestic/private (1 connection)
 Domestic/nonpublic (2-4 connections)
 Domestic/public (5 or more conn.)
 Agricultural
 Test Hole
 Monitoring
 Cathodic Protection
 Other _____

CONSTRUCTION METHOD: Reverse Rotary
 Rotary
 Air Rotary
 Other _____

SEALING MATERIAL (check one) Neat Cement
 Cement Grout Concrete
 Other _____

GRAVEL PACK: (check one) Yes No
From 900 To 200 Feet

PROPOSED CASING:
Type STEEL
Diameter 20"
Gauge/Wall 3/8"
Conductor Depth 50' ±

PROPOSED WELL CONSTRUCTION (DEPTH)
Max. 900 Feet
Min. 700 Feet

PROPOSED PERFORATIONS OR SCREEN:
From 880 To 220 Feet
From _____ To _____ Feet

PROPOSED ANNULAR SEAL DEPTH:
Unconsolidated 200' ±
Hardrock _____

PENETRATES TWO OR MORE AQUIFERS Yes No
PROPOSED WELL DESTRUCTION SEAL DEPTH N/A
DEPTH OF WELL TO BE DESTROYED N/A

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

GENERAL CONDITIONS:

1. Permit applications will be submitted to the Planning Department for zoning, access, and flood plain clearances prior to approval of the Environmental Health Services Department. If you are drilling within city's limits, you will have to receive approval from their planning department.
2. Permit applications must be submitted to the Environmental Health Services Department at least ten working days prior to the proposed starting date.
3. Well site approval is required before beginning any work related to well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
4. Other required inspections include: setting conductor casing, E-Logs, all annular seals, and final construction features.
5. In areas where a well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
6. A phone call to the Department office is required on the morning of the day that work is to commence and 24 hours before the placement of any seals or plugs.
7. Approval of water quality and final construction features is required before the well is put into use.
8. Construction under this permit is subject to any instructions by Department representatives.
9. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
10. A copy of the Department of Water Resources Driller's Report and water quality analyses must be submitted to the Environmental Health Services Department within 30 days after completion of the work.
11. "Dry" holes must be properly destroyed within two (2) weeks of drilling. A well destruction application must be filed with this Department.
12. The permit is void on the ninetieth (90th) calendar day after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable nor transferable.
13. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that I furnished all of the above information and intend to construct/destroy the well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08 and Bulletin 74-81 and the conditions of the Permit Application, including any conditions which may be added or changed by the Environmental Health Services Department upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature _____ Date _____ Authorized Agent or Agency Her firm Date 2/22/01

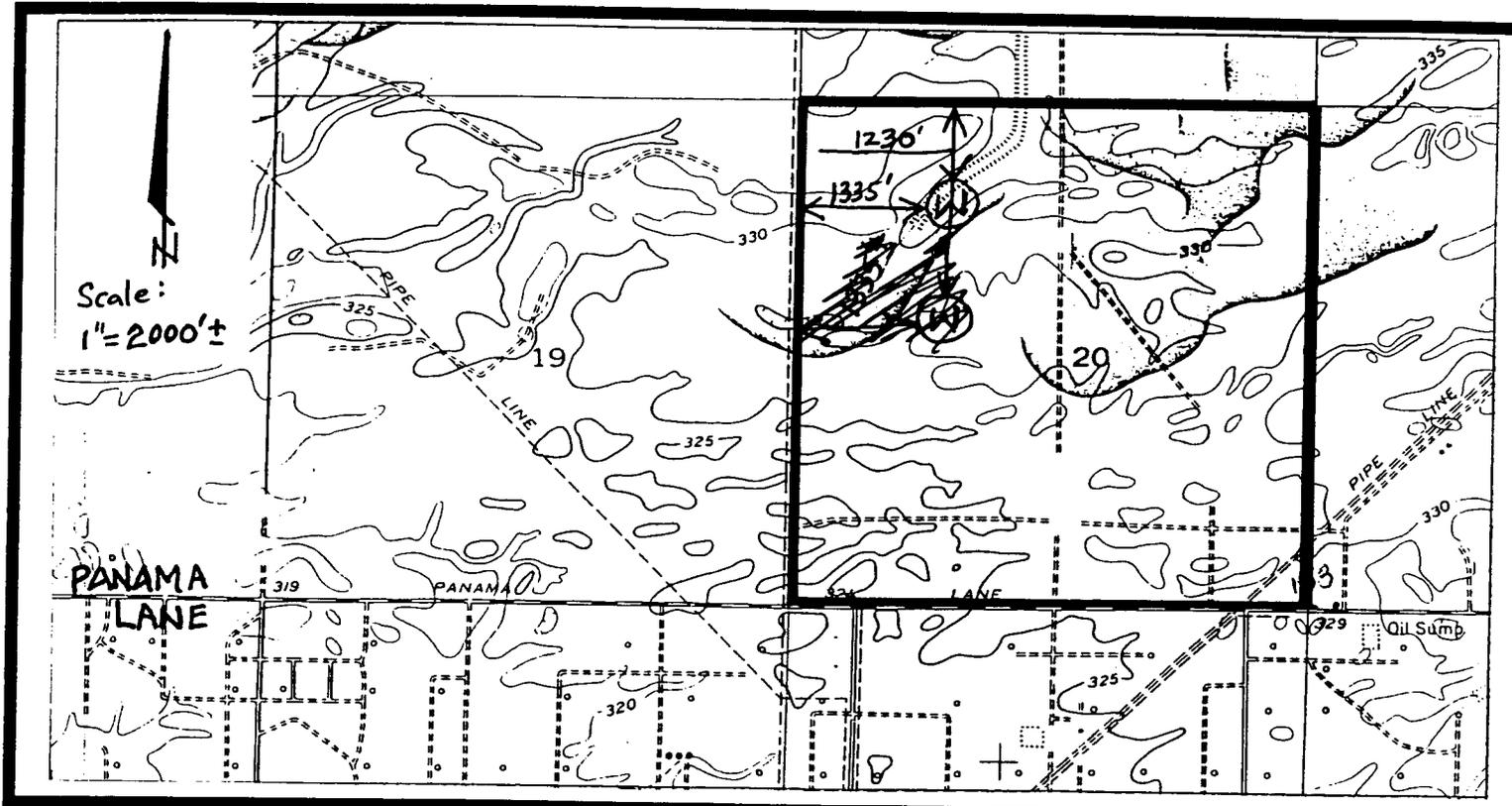
<p><i>Internal use only</i> Permit Approved: _____ Date: _____ Expiration Date: _____</p>	<p>Total Fee: <u>335</u> Date Paid: <u>2/22/01</u> Receipt # <u>14266</u> <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check (#<u>036096</u>) Fee received by: <u>M. Salinas</u></p>
<p style="text-align: center;">ZONING</p> <p>Zone: <u>A</u> Access Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flood Plan Approval Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved By: <u>[Signature]</u> Date: <u>2/22/01</u></p>	<p style="text-align: center;">ENVIRONMENTAL HEALTH SERVICES DEPARTMENT</p> <p>E-Log Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel Chute Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u></p>

REASONS FOR DENIAL OR CONDITIONS OF PERMIT:

THIS APPLICATION BECOMES A PERMIT WHEN APPROVED

LOCATION

A. Indicate below the exact location of well with respect to the following items: property lines, water bodies or course drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include dimensions.



B. LOCATION OF WELL WITHIN SECTION LINES - Locate well by measuring from proposed site in relation to section lines or half section lines.

T30S R26E Section No.: 20

D	C Well	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

1- _____ One Mile _____ -1

6570-2

20601

ENVIRONMENTAL HEALTH DIVISION
KERN COUNTY HEALTH DEPARTMENT

APPLICATION FOR WATER WELL DRILLING PERMIT

DRILLING COMPANY
NAME AND ADDRESS

TERRY'S WELL DRILLING

140990

LICENSE NUMBER

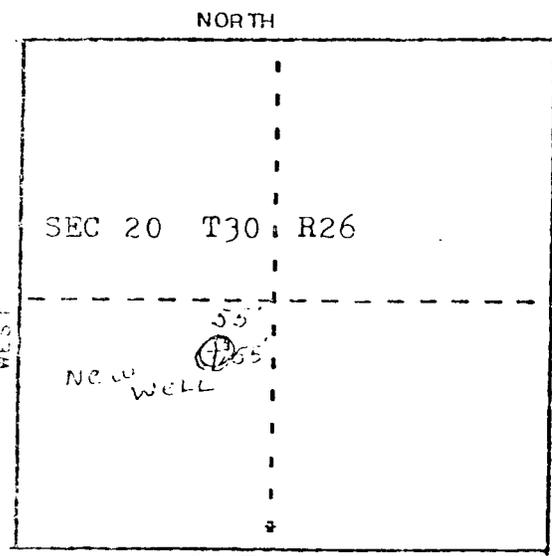
P. O. BOX 187, STRATFORD, CA 93266

PLAN TO COMMENCE DRILLING X, DEEPENING , RECONDITIONING , DESTRUCTION , OF A
ROTARY X, CABLE , TYPE WELL, FOR THE PURPOSE OF AN
AGRICULTURAL WELL X, PRIVATE DOMESTIC WELL , DOMESTIC WELL WITH 2 OR MORE CONNECTIONS ,
ON PROPERTY OWNED BY TENNECO WEST INC.

WHOSE MAILING ADDRESS IS P. O. BOX 380, BAKERSFIELD, CA. 93302

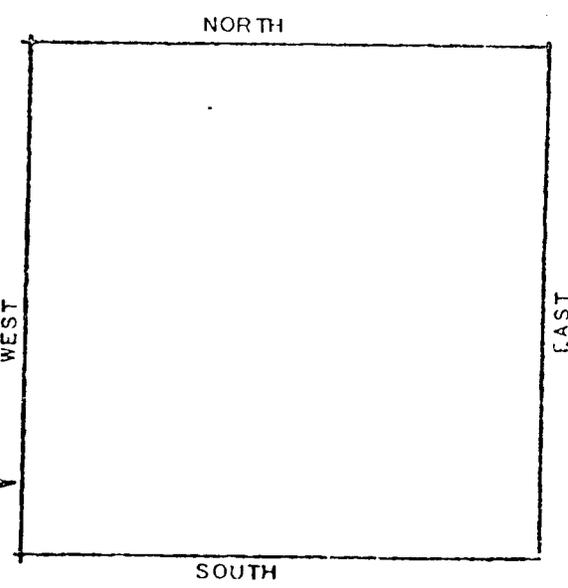
LEGAL DESCRIPTION OF PROPERTY AND DIRECTIONS FOR LOCATING WELL SITE FOR INSPECTIONS AS FOLLOWS
55' W & 55' S of Center of SEC. 20, T 30, R 26

USE ADDITIONAL SHEET OR BACK OF FORM FOR CONTINUED INFORMATION)



LOCATE WELL IN SECTION. DRAW IN FEATURES SUCH AS NEAREST STREET, RAILROAD. INDICATE DISTANCES.

USE TO SHOW OWNERS PROPERTY, HIS HOME SEWAGE LINES, ETC AS THEY RELATE TO THE WELL LOCATION



PANAMA LANE

SUBMITTED BY: [Signature] AS AGENT FOR
(SIGNATURE) (COMPANY OR CLIENT'S NAME)

FOLLOWING IS FOR OFFICE USE ONLY

DISAPPROVED APPROVED X APPROVED SUBJECT TO THE FOLLOWING CONDITIONS :

BY [Signature] A
KERN COUNTY PLANNING COMMISSION
DATE: 10-30-73

HEALTH DEPT. - REMARKS:

BY:

DATE:

PERMIT NO.

